Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294
Date Extracted: 09/23/2006
Date Analyzed: 10/06/2006
Time Analyzed: 21:33

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG0615881-5

File ID: J:\MS17\DATA\100606\1006F034.D
Instrument ID: MS17

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Level: Low
Extraction Lot: KWG0615881

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0615881-3	J:\MS17\DATA\100606\1006F035.D	10/06/06	21:52
Duplicate Lab Control Sample	KWG0615881-4	J:\MS17\DATA\100606\1006F036.D	10/06/06	22:12
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\100606\1006F037.D	10/06/06	22:31
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\100606\1006F038.D	10/06/06	22:51
NW3	K0607294-026	J:\MS17\DATA\100606\1006F039.D	10/06/06	23:10
NW4	K0607294-027	J:\MS17\DATA\100606\1006F040.D	10/06/06	23:29
NW5	K0607294-029	J:\MS17\DATA\100606\1006F041.D	10/06/06	23:49
NW6	K0607294-030	J:\MS17\DATA\100606\1006F042.D	10/07/06	00:08
NW7	K0607294-031	J:\MS17\DATA\100606\1006F043.D	10/07/06	00:27
NW8	K0607294-032	J:\MS17\DATA\100606\1006F044.D	10/07/06	00:47
NW9	K0607294-034	J:\MS17\DATA\100606\1006F045.D	10/07/06	01:06
NW10	K0607294-035	J:\MS17\DATA\100606\1006F046.D	10/07/06	01:25
NW1 SW3-1	K0607294-036	J:\MS17\DATA\100606\1006F047.D	10/07/06	01:45
NW1 SW1-1	K0607294-037	J:\MS17\DATA\100606\1006F048.D	10/07/06	02:04
NW1 SW2-1	K0607294-039	J:\MS17\DATA\100606\1006F049.D	10/07/06	02:24
Comp 8,8a	K0607294-040	J:\MS17\DATA\100606\1006F050.D	10/07/06	02:43
NW4	K0607294-027	J:\MS17\DATA\101006\1010F004.D	10/10/06	15:05

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294
Date Extracted: 09/23/2006
Date Analyzed: 10/11/2006
Time Analyzed: 21:34

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG0615881-5

File ID: J:\MS17\DATA\101106A\1011F022.D
Instrument ID: MS17

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Level: Low
Extraction Lot: KWG0615881

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0615881-3	J:\MS17\DATA\101106A\1011F023.D	10/11/06	21:51
Duplicate Lab Control Sample	KWG0615881-4	J:\MS17\DATA\101106A\1011F024.D	10/11/06	22:08
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\101106A\1011F025.D	10/11/06	22:25
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\101106A\1011F026.D	10/11/06	22:42
NW3	K0607294-026	J:\MS17\DATA\101106A\1011F027.D	10/11/06	22:59
NW4	K0607294-027	J:\MS17\DATA\101106A\1011F028.D	10/11/06	23:16
NW5	K0607294-029	J:\MS17\DATA\101106A\1011F029.D	10/11/06	23:33
NW6	K0607294-030	J:\MS17\DATA\101106A\1011F030.D	10/11/06	23:50
NW7	K0607294-031	J:\MS17\DATA\101106A\1011F031.D	10/12/06	00:07
NW8	K0607294-032	J:\MS17\DATA\101106A\1011F032.D	10/12/06	00:24
NW9	K0607294-034	J:\MS17\DATA\101106A\1011F033.D	10/12/06	00:41
NW10	K0607294-035	J:\MS17\DATA\101106A\1011F034.D	10/12/06	00:58
NW1 SW3-1	K0607294-036	J:\MS17\DATA\101106A\1011F035.D	10/12/06	01:15
NW1 SW1-1	K0607294-037	J:\MS17\DATA\101106A\1011F036.D	10/12/06	01:32
NW1 SW2-1	K0607294-039	J:\MS17\DATA\101106A\1011F037.D	10/12/06	01:49
Comp 8,8a	K0607294-040	J:\MS17\DATA\101106A\1011F038.D	10/12/06	02:06

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0615880-3	**Lab Code:**	KWG0615880-4
File ID:	J:\MS17\DATA\100606\1006F013.D	**File ID:**	J:\MS17\DATA\100606\1006F014.D
Instrument ID:	MS17	**Instrument ID:**	MS17
Date Extracted:	09/23/2006	**Date Extracted:**	09/23/2006
Date Analyzed:	10/06/2006	**Date Analyzed:**	10/06/2006
Time Analyzed:	14:47	**Time Analyzed:**	15:06

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Level: Low
Extraction Lot: KWG0615880

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0615880-5	J:\MS17\DATA\100606\1006F012.D	10/06/06	14:27
4MS	KWG0615880-1	J:\MS17\DATA\100606\1006F015.D	10/06/06	15:25
4DMS	KWG0615880-2	J:\MS17\DATA\100606\1006F016.D	10/06/06	15:45
1	K0607294-001	J:\MS17\DATA\100606\1006F017.D	10/06/06	16:04
3	K0607294-004	J:\MS17\DATA\100606\1006F018.D	10/06/06	16:24
4	K0607294-005	J:\MS17\DATA\100606\1006F019.D	10/06/06	16:43
1b	K0607294-006	J:\MS17\DATA\100606\1006F020.D	10/06/06	17:02
5	K0607294-007	J:\MS17\DATA\100606\1006F021.D	10/06/06	17:22
6	K0607294-008	J:\MS17\DATA\100606\1006F022.D	10/06/06	17:41
7	K0607294-012	J:\MS17\DATA\100606\1006F023.D	10/06/06	18:01
9	K0607294-016	J:\MS17\DATA\100606\1006F024.D	10/06/06	18:20
10	K0607294-018	J:\MS17\DATA\100606\1006F025.D	10/06/06	18:39
12	K0607294-020	J:\MS17\DATA\100606\1006F026.D	10/06/06	18:59
13	K0607294-021	J:\MS17\DATA\100606\1006F027.D	10/06/06	19:18
14	K0607294-022	J:\MS17\DATA\100606\1006F028.D	10/06/06	19:38
NW2	K0607294-025	J:\MS17\DATA\100606\1006F029.D	10/06/06	19:57
Method Blank	KWG0615880-5	J:\MS17\DATA\101106A\1011F003.D	10/11/06	16:10
4MS	KWG0615880-1	J:\MS17\DATA\101106A\1011F006.D	10/11/06	17:01
4DMS	KWG0615880-2	J:\MS17\DATA\101106A\1011F007.D	10/11/06	17:18
1	K0607294-001	J:\MS17\DATA\101106A\1011F008.D	10/11/06	17:35
3	K0607294-004	J:\MS17\DATA\101106A\1011F009.D	10/11/06	17:52
4	K0607294-005	J:\MS17\DATA\101106A\1011F010.D	10/11/06	18:09
1b	K0607294-006	J:\MS17\DATA\101106A\1011F011.D	10/11/06	18:26
5	K0607294-007	J:\MS17\DATA\101106A\1011F012.D	10/11/06	18:43
6	K0607294-008	J:\MS17\DATA\101106A\1011F013.D	10/11/06	19:00
7	K0607294-012	J:\MS17\DATA\101106A\1011F014.D	10/11/06	19:17
9	K0607294-016	J:\MS17\DATA\101106A\1011F015.D	10/11/06	19:34
10	K0607294-018	J:\MS17\DATA\101106A\1011F016.D	10/11/06	19:52
12	K0607294-020	J:\MS17\DATA\101106A\1011F017.D	10/11/06	20:09
13	K0607294-021	J:\MS17\DATA\101106A\1011F018.D	10/11/06	20:26
14	K0607294-022	J:\MS17\DATA\101106A\1011F019.D	10/11/06	20:43
NW2	K0607294-025	J:\MS17\DATA\101106A\1011F020.D	10/11/06	21:00

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0615880-3	**Lab Code:**	KWG0615880-4
File ID:	J:\MS17\DATA\100606\1006F013.D	**File ID:**	J:\MS17\DATA\100606\1006F014.D
Instrument ID:	MS17	**Instrument ID:**	MS17
Date Extracted:	09/23/2006	**Date Extracted:**	09/23/2006
Date Analyzed:	10/06/2006	**Date Analyzed:**	10/06/2006
Time Analyzed:	14:47	**Time Analyzed:**	15:06

Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0615880

These Lab Control Samples apply to the following analyses:

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0615880-3	**Lab Code:**	KWG0615880-4
File ID:	J:\MS17\DATA\101106A\1011F004.D	**File ID:**	J:\MS17\DATA\100606\1006F014.D
Instrument ID:	MS17	**Instrument ID:**	MS17
Date Extracted:	09/23/2006	**Date Extracted:**	09/23/2006
Date Analyzed:	10/11/2006	**Date Analyzed:**	10/06/2006
Time Analyzed:	16:27	**Time Analyzed:**	15:06

Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0615880

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0615880-5	J:\MS17\DATA\101106A\1011F003.D	10/11/06	16:10
4MS	KWG0615880-1	J:\MS17\DATA\101106A\1011F006.D	10/11/06	17:01
4DMS	KWG0615880-2	J:\MS17\DATA\101106A\1011F007.D	10/11/06	17:18
1	K0607294-001	J:\MS17\DATA\101106A\1011F008.D	10/11/06	17:35
3	K0607294-004	J:\MS17\DATA\101106A\1011F009.D	10/11/06	17:52
4	K0607294-005	J:\MS17\DATA\101106A\1011F010.D	10/11/06	18:09
1b	K0607294-006	J:\MS17\DATA\101106A\1011F011.D	10/11/06	18:26
5	K0607294-007	J:\MS17\DATA\101106A\1011F012.D	10/11/06	18:43
6	K0607294-008	J:\MS17\DATA\101106A\1011F013.D	10/11/06	19:00
7	K0607294-012	J:\MS17\DATA\101106A\1011F014.D	10/11/06	19:17
9	K0607294-016	J:\MS17\DATA\101106A\1011F015.D	10/11/06	19:34
10	K0607294-018	J:\MS17\DATA\101106A\1011F016.D	10/11/06	19:52
12	K0607294-020	J:\MS17\DATA\101106A\1011F017.D	10/11/06	20:09
13	K0607294-021	J:\MS17\DATA\101106A\1011F018.D	10/11/06	20:26
14	K0607294-022	J:\MS17\DATA\101106A\1011F019.D	10/11/06	20:43
NW2	K0607294-025	J:\MS17\DATA\101106A\1011F020.D	10/11/06	21:00

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0615881-3	**Lab Code:**	KWG0615881-4
File ID:	J:\MS17\DATA\100606\1006F035.D	**File ID:**	J:\MS17\DATA\100606\1006F036.D
Instrument ID:	MS17	**Instrument ID:**	MS17
Date Extracted:	09/23/2006	**Date Extracted:**	09/23/2006
Date Analyzed:	10/06/2006	**Date Analyzed:**	10/06/2006
Time Analyzed:	21:52	**Time Analyzed:**	22:12

Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0615881

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0615881-5	J:\MS17\DATA\100606\1006F034.D	10/06/06	21:33
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\100606\1006F037.D	10/06/06	22:31
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\100606\1006F038.D	10/06/06	22:51
NW3	K0607294-026	J:\MS17\DATA\100606\1006F039.D	10/06/06	23:10
NW4	K0607294-027	J:\MS17\DATA\100606\1006F040.D	10/06/06	23:29
NW5	K0607294-029	J:\MS17\DATA\100606\1006F041.D	10/06/06	23:49
NW6	K0607294-030	J:\MS17\DATA\100606\1006F042.D	10/07/06	00:08
NW7	K0607294-031	J:\MS17\DATA\100606\1006F043.D	10/07/06	00:27
NW8	K0607294-032	J:\MS17\DATA\100606\1006F044.D	10/07/06	00:47
NW9	K0607294-034	J:\MS17\DATA\100606\1006F045.D	10/07/06	01:06
NW10	K0607294-035	J:\MS17\DATA\100606\1006F046.D	10/07/06	01:25
NW1 SW3-1	K0607294-036	J:\MS17\DATA\100606\1006F047.D	10/07/06	01:45
NW1 SW1-1	K0607294-037	J:\MS17\DATA\100606\1006F048.D	10/07/06	02:04
NW1 SW2-1	K0607294-039	J:\MS17\DATA\100606\1006F049.D	10/07/06	02:24
Comp 8,8a	K0607294-040	J:\MS17\DATA\100606\1006F050.D	10/07/06	02:43
NW4	K0607294-027	J:\MS17\DATA\101006\1010F004.D	10/10/06	15:05
Method Blank	KWG0615881-5	J:\MS17\DATA\101106A\1011F022.D	10/11/06	21:34
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\101106A\1011F025.D	10/11/06	22:25
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\101106A\1011F026.D	10/11/06	22:42
NW3	K0607294-026	J:\MS17\DATA\101106A\1011F027.D	10/11/06	22:59
NW4	K0607294-027	J:\MS17\DATA\101106A\1011F028.D	10/11/06	23:16
NW5	K0607294-029	J:\MS17\DATA\101106A\1011F029.D	10/11/06	23:33
NW6	K0607294-030	J:\MS17\DATA\101106A\1011F030.D	10/11/06	23:50
NW7	K0607294-031	J:\MS17\DATA\101106A\1011F031.D	10/12/06	00:07
NW8	K0607294-032	J:\MS17\DATA\101106A\1011F032.D	10/12/06	00:24
NW9	K0607294-034	J:\MS17\DATA\101106A\1011F033.D	10/12/06	00:41
NW10	K0607294-035	J:\MS17\DATA\101106A\1011F034.D	10/12/06	00:58
NW1 SW3-1	K0607294-036	J:\MS17\DATA\101106A\1011F035.D	10/12/06	01:15
NW1 SW1-1	K0607294-037	J:\MS17\DATA\101106A\1011F036.D	10/12/06	01:32
NW1 SW2-1	K0607294-039	J:\MS17\DATA\101106A\1011F037.D	10/12/06	01:49
Comp 8,8a	K0607294-040	J:\MS17\DATA\101106A\1011F038.D	10/12/06	02:06

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0615881-3	**Lab Code:**	KWG0615881-4
File ID:	J:\MS17\DATA\100606\1006F035.D	**File ID:**	J:\MS17\DATA\100606\1006F036.D
Instrument ID:	MS17	**Instrument ID:**	MS17
Date Extracted:	09/23/2006	**Date Extracted:**	09/23/2006
Date Analyzed:	10/06/2006	**Date Analyzed:**	10/06/2006
Time Analyzed:	21:52	**Time Analyzed:**	22:12

Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0615881

These Lab Control Samples apply to the following analyses:

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0615881-3	**Lab Code:**	KWG0615881-4
File ID:	J:\MS17\DATA\101106A\1011F023.D	**File ID:**	J:\MS17\DATA\100606\1006F036.D
Instrument ID:	MS17	**Instrument ID:**	MS17
Date Extracted:	09/23/2006	**Date Extracted:**	09/23/2006
Date Analyzed:	10/11/2006	**Date Analyzed:**	10/06/2006
Time Analyzed:	21:51	**Time Analyzed:**	22:12

Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0615881

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0615881-5	J:\MS17\DATA\101106A\1011F022.D	10/11/06	21:34
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\101106A\1011F025.D	10/11/06	22:25
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\101106A\1011F026.D	10/11/06	22:42
NW3	K0607294-026	J:\MS17\DATA\101106A\1011F027.D	10/11/06	22:59
NW4	K0607294-027	J:\MS17\DATA\101106A\1011F028.D	10/11/06	23:16
NW5	K0607294-029	J:\MS17\DATA\101106A\1011F029.D	10/11/06	23:33
NW6	K0607294-030	J:\MS17\DATA\101106A\1011F030.D	10/11/06	23:50
NW7	K0607294-031	J:\MS17\DATA\101106A\1011F031.D	10/12/06	00:07
NW8	K0607294-032	J:\MS17\DATA\101106A\1011F032.D	10/12/06	00:24
NW9	K0607294-034	J:\MS17\DATA\101106A\1011F033.D	10/12/06	00:41
NW10	K0607294-035	J:\MS17\DATA\101106A\1011F034.D	10/12/06	00:58
NW1 SW3-1	K0607294-036	J:\MS17\DATA\101106A\1011F035.D	10/12/06	01:15
NW1 SW1-1	K0607294-037	J:\MS17\DATA\101106A\1011F036.D	10/12/06	01:32
NW1 SW2-1	K0607294-039	J:\MS17\DATA\101106A\1011F037.D	10/12/06	01:49
Comp 8,8a	K0607294-040	J:\MS17\DATA\101106A\1011F038.D	10/12/06	02:06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/06/2006
Time Analyzed: 08:48

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS17\DATA\100606\1006F001.D
Instrument ID: MS17
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0617031

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	24.9	49890	PASS
68	69	0	2	1.4	798	PASS
69	198	0	100	27.8	55674	PASS
70	69	0	2	0.7	402	PASS
127	198	10	80	42.6	85349	PASS
197	198	0	2	0.3	581	PASS
198	442	30	100	61.2	200341	PASS
199	198	5	9	6.6	13286	PASS
275	198	10	60	29.5	59130	PASS
365	442	1	50	2.4	7883	PASS
441	443	0	100	75.3	47160	PASS
442	442	100	100	100.0	327360	PASS
443	442	15	24	19.1	62624	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0617031-2	J:\MS17\DATA\100606\1006F011.D	10/06/2006	14:03	
Method Blank	KWG0615880-5	J:\MS17\DATA\100606\1006F012.D	10/06/2006	14:27	
Lab Control Sample	KWG0615880-3	J:\MS17\DATA\100606\1006F013.D	10/06/2006	14:47	
Duplicate Lab Control Sample	KWG0615880-4	J:\MS17\DATA\100606\1006F014.D	10/06/2006	15:06	
4MS	KWG0615880-1	J:\MS17\DATA\100606\1006F015.D	10/06/2006	15:25	
4DMS	KWG0615880-2	J:\MS17\DATA\100606\1006F016.D	10/06/2006	15:45	
1	K0607294-001	J:\MS17\DATA\100606\1006F017.D	10/06/2006	16:04	
3	K0607294-004	J:\MS17\DATA\100606\1006F018.D	10/06/2006	16:24	
4	K0607294-005	J:\MS17\DATA\100606\1006F019.D	10/06/2006	16:43	
1b	K0607294-006	J:\MS17\DATA\100606\1006F020.D	10/06/2006	17:02	
5	K0607294-007	J:\MS17\DATA\100606\1006F021.D	10/06/2006	17:22	
6	K0607294-008	J:\MS17\DATA\100606\1006F022.D	10/06/2006	17:41	
7	K0607294-012	J:\MS17\DATA\100606\1006F023.D	10/06/2006	18:01	
9	K0607294-016	J:\MS17\DATA\100606\1006F024.D	10/06/2006	18:20	
10	K0607294-018	J:\MS17\DATA\100606\1006F025.D	10/06/2006	18:39	
12	K0607294-020	J:\MS17\DATA\100606\1006F026.D	10/06/2006	18:59	
13	K0607294-021	J:\MS17\DATA\100606\1006F027.D	10/06/2006	19:18	
14	K0607294-022	J:\MS17\DATA\100606\1006F028.D	10/06/2006	19:38	
NW2	K0607294-025	J:\MS17\DATA\100606\1006F029.D	10/06/2006	19:57	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/06/2006
Time Analyzed: 20:57

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS17\DATA\100606\1006F032.D
Instrument ID: MS17
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0617061

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	26.1	44124	PASS
68	69	0	2	0.9	435	PASS
69	198	0	100	28.1	47476	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	42.4	71584	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	57.7	169024	PASS
199	198	5	9	6.5	10905	PASS
275	198	10	60	30.3	51269	PASS
365	442	1	50	2.3	6856	PASS
441	443	0	100	73.6	42109	PASS
442	442	100	100	100.0	293141	PASS
443	442	15	24	19.5	57208	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0617061-2	J:\MS17\DATA\100606\1006F033.D	10/06/2006	21:14	
Method Blank	KWG0615881-5	J:\MS17\DATA\100606\1006F034.D	10/06/2006	21:33	
Lab Control Sample	KWG0615881-3	J:\MS17\DATA\100606\1006F035.D	10/06/2006	21:52	
Duplicate Lab Control Sample	KWG0615881-4	J:\MS17\DATA\100606\1006F036.D	10/06/2006	22:12	
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\100606\1006F037.D	10/06/2006	22:31	
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\100606\1006F038.D	10/06/2006	22:51	
NW3	K0607294-026	J:\MS17\DATA\100606\1006F039.D	10/06/2006	23:10	
NW4	K0607294-027	J:\MS17\DATA\100606\1006F040.D	10/06/2006	23:29	
NW5	K0607294-029	J:\MS17\DATA\100606\1006F041.D	10/06/2006	23:49	
NW6	K0607294-030	J:\MS17\DATA\100606\1006F042.D	10/07/2006	00:08	
NW7	K0607294-031	J:\MS17\DATA\100606\1006F043.D	10/07/2006	00:27	
NW8	K0607294-032	J:\MS17\DATA\100606\1006F044.D	10/07/2006	00:47	
NW9	K0607294-034	J:\MS17\DATA\100606\1006F045.D	10/07/2006	01:06	
NW10	K0607294-035	J:\MS17\DATA\100606\1006F046.D	10/07/2006	01:25	
NW1 SW3-1	K0607294-036	J:\MS17\DATA\100606\1006F047.D	10/07/2006	01:45	
NW1 SW1-1	K0607294-037	J:\MS17\DATA\100606\1006F048.D	10/07/2006	02:04	
NW1 SW2-1	K0607294-039	J:\MS17\DATA\100606\1006F049.D	10/07/2006	02:24	
Comp 8,8a	K0607294-040	J:\MS17\DATA\100606\1006F050.D	10/07/2006	02:43	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/10/2006
Time Analyzed: 14:08

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS17\DATA\101006\1010F001.D
Instrument ID: MS17
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0617075

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	33.2	43657	PASS
68	69	0	2	0.8	363	PASS
69	198	0	100	34.3	45096	PASS
70	69	0	2	0.1	64	PASS
127	198	10	80	47.7	62741	PASS
197	198	0	2	0.2	231	PASS
198	442	30	100	65.1	131493	PASS
199	198	5	9	6.8	8994	PASS
275	198	10	60	29.9	39325	PASS
365	442	1	50	2.9	5770	PASS
441	443	0	100	74.0	28941	PASS
442	442	100	100	100.0	202133	PASS
443	442	15	24	19.3	39096	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0617075-2	J:\MS17\DATA\101006\1010F002.D	10/10/2006	14:25	
NW4	K0607294-027	J:\MS17\DATA\101006\1010F004.D	10/10/2006	15:05	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/11/2006
Time Analyzed: 15:36

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS17\DATA\101106A\1011F001.D
Instrument ID: MS17
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0617230

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	30.8	81888	PASS
68	69	0	2	1.6	1461	PASS
69	198	0	100	33.3	88568	PASS
70	69	0	2	1.0	850	PASS
127	198	10	80	47.5	126229	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	75.9	266005	PASS
199	198	5	9	6.5	17284	PASS
275	198	10	60	29.7	79013	PASS
365	442	1	50	3.1	11023	PASS
441	443	0	100	74.7	50341	PASS
442	442	100	100	100.0	350634	PASS
443	442	15	24	19.2	67376	PASS

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/11/2006
Time Analyzed: 15:36

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS17\DATA\101106A\1011F001.D
Instrument ID: MS17
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0617230

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0617203-2	J:\MS17\DATA\101106A\1011F002.	10/11/2006	15:53	
Method Blank	KWG0615880-5	J:\MS17\DATA\101106A\1011F003.	10/11/2006	16:10	
Lab Control Sample	KWG0615880-3	J:\MS17\DATA\101106A\1011F004.	10/11/2006	16:27	
Duplicate Lab Control Sample	KWG0615880-4	J:\MS17\DATA\101106A\1011F005.	10/11/2006	16:44	
4MS	KWG0615880-1	J:\MS17\DATA\101106A\1011F006.	10/11/2006	17:01	
4DMS	KWG0615880-2	J:\MS17\DATA\101106A\1011F007.	10/11/2006	17:18	
1	K0607294-001	J:\MS17\DATA\101106A\1011F008.	10/11/2006	17:35	
3	K0607294-004	J:\MS17\DATA\101106A\1011F009.	10/11/2006	17:52	
4	K0607294-005	J:\MS17\DATA\101106A\1011F010.	10/11/2006	18:09	
1b	K0607294-006	J:\MS17\DATA\101106A\1011F011.	10/11/2006	18:26	
5	K0607294-007	J:\MS17\DATA\101106A\1011F012.	10/11/2006	18:43	
6	K0607294-008	J:\MS17\DATA\101106A\1011F013.	10/11/2006	19:00	
7	K0607294-012	J:\MS17\DATA\101106A\1011F014.	10/11/2006	19:17	
9	K0607294-016	J:\MS17\DATA\101106A\1011F015.	10/11/2006	19:34	
10	K0607294-018	J:\MS17\DATA\101106A\1011F016.	10/11/2006	19:52	
12	K0607294-020	J:\MS17\DATA\101106A\1011F017.	10/11/2006	20:09	
13	K0607294-021	J:\MS17\DATA\101106A\1011F018.	10/11/2006	20:26	
14	K0607294-022	J:\MS17\DATA\101106A\1011F019.	10/11/2006	20:43	
NW2	K0607294-025	J:\MS17\DATA\101106A\1011F020.	10/11/2006	21:00	
Method Blank	KWG0615881-5	J:\MS17\DATA\101106A\1011F022.	10/11/2006	21:34	
Lab Control Sample	KWG0615881-3	J:\MS17\DATA\101106A\1011F023.	10/11/2006	21:51	
Duplicate Lab Control Sample	KWG0615881-4	J:\MS17\DATA\101106A\1011F024.	10/11/2006	22:08	
NW1 SW1-1MS	KWG0615881-1	J:\MS17\DATA\101106A\1011F025.	10/11/2006	22:25	
NW1 SW1-1DMS	KWG0615881-2	J:\MS17\DATA\101106A\1011F026.	10/11/2006	22:42	
NW3	K0607294-026	J:\MS17\DATA\101106A\1011F027.	10/11/2006	22:59	
NW4	K0607294-027	J:\MS17\DATA\101106A\1011F028.	10/11/2006	23:16	
NW5	K0607294-029	J:\MS17\DATA\101106A\1011F029.	10/11/2006	23:33	
NW6	K0607294-030	J:\MS17\DATA\101106A\1011F030.	10/11/2006	23:50	
NW7	K0607294-031	J:\MS17\DATA\101106A\1011F031.	10/12/2006	00:07	
NW8	K0607294-032	J:\MS17\DATA\101106A\1011F032.	10/12/2006	00:24	
NW9	K0607294-034	J:\MS17\DATA\101106A\1011F033.	10/12/2006	00:41	
NW10	K0607294-035	J:\MS17\DATA\101106A\1011F034.	10/12/2006	00:58	
NW1 SW3-1	K0607294-036	J:\MS17\DATA\101106A\1011F035.	10/12/2006	01:15	
NW1 SW1-1	K0607294-037	J:\MS17\DATA\101106A\1011F036.	10/12/2006	01:32	
NW1 SW2-1	K0607294-039	J:\MS17\DATA\101106A\1011F037.	10/12/2006	01:49	
Comp 8,8a	K0607294-040	J:\MS17\DATA\101106A\1011F038.	10/12/2006	02:06	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Calibration Date: 10/06/2006

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL5696
Instrument ID: MS17

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS17\DATA\100606\1006F003.D	E	J:\MS17\DATA\100606\1006F007.D
B	J:\MS17\DATA\100606\1006F004.D	F	J:\MS17\DATA\100606\1006F008.D
C	J:\MS17\DATA\100606\1006F005.D	G	J:\MS17\DATA\100606\1006F009.D
D	J:\MS17\DATA\100606\1006F006.D	H	J:\MS17\DATA\100606\1006F010.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dimethyl Phthalate	A	20	1.01	B	100	0.995	C	200	1.06	D	500	1.08	E	1000	1.09
	F	2000	1.01	G	3000	1.12	H	5000	1.15						
Diethyl Phthalate	A	20	1.03	B	100	0.945	C	200	0.989	D	500	1.01	E	1000	1.01
	F	2000	0.944	G	3000	1.04	H	5000	1.07						
Di-n-butyl Phthalate	A	20	1.04	B	100	0.954	C	200	1.00	D	500	1.05	E	1000	1.07
	F	2000	1.00	G	3000	1.10	H	5000	1.13						
Pyrene	A	20	1.15	B	100	1.11	C	200	1.18	D	500	1.20	E	1000	1.21
	F	2000	1.11	G	3000	1.23	H	5000	1.21						
Bis(2-ethylhexyl) Phthalate	A	20	0.626	B	100	0.601	C	200	0.632	D	500	0.657	E	1000	0.679
	F	2000	0.626	G	3000	0.704	H	5000	0.709						
Di-n-octyl Phthalate	A	20	0.976	B	100	0.997	C	200	1.10	D	500	1.15	E	1000	1.21
	F	2000	1.13	G	3000	1.28	H	5000	1.30						
2-Fluorobiphenyl	A	20	1.30	B	100	1.12	C	200	1.15	D	500	1.15	E	1000	1.14
	F	2000	1.05	G	3000	1.16	H	5000	1.17						
2,4,6-Tribromophenol				B	100	0.0489	C	200	0.0517	D	500	0.0524	E	1000	0.0544
	F	2000	0.0522	G	3000	0.0598	H	5000	0.0681						
Terphenyl-d14	A	20	0.794	B	100	0.735	C	200	0.769	D	500	0.781	E	1000	0.786
	F	2000	0.727	G	3000	0.803	H	5000	0.798						

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Calibration Date: 10/06/2006

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL5696
Instrument ID: MS17

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Dimethyl Phthalate	MS	AverageRF	% RSD	5.2		≤ 15	1.06		0.01
Diethyl Phthalate	MS	AverageRF	% RSD	4.4		≤ 15	1.01		0.01
Di-n-butyl Phthalate	MS	AverageRF	% RSD	5.5		≤ 15	1.04		0.01
Pyrene	MS	AverageRF	% RSD	3.8		≤ 15	1.17		0.01
Bis(2-ethylhexyl) Phthalate	MS	AverageRF	% RSD	6.0		≤ 15	0.654		0.01
Di-n-octyl Phthalate	MS	AverageRF	% RSD	10.5		≤ 15	1.14		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	6.1		≤ 15	1.16		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	11.8		≤ 15	0.0553		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	3.7		≤ 15	0.774		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Calibration Date: 10/06/2006
Date Analyzed: 10/06/2006

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration ID: CAL5696
Units: ng/ml

File ID: J:\MS17\DATA\100606\1006F011.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Dimethyl Phthalate	500	500	1.06	1.07	1	NA	± 20 %	AverageRF
Diethyl Phthalate	500	480	1.01	0.969	-4	NA	± 20 %	AverageRF
Di-n-butyl Phthalate	500	450	1.04	0.941	-10	NA	± 20 %	AverageRF
Pyrene	500	470	1.17	1.11	-6	NA	± 20 %	AverageRF
Bis(2-ethylhexyl) Phthalate	500	460	0.654	0.598	-9	NA	± 20 %	AverageRF
Di-n-octyl Phthalate	500	460	1.14	1.06	-8	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Calibration Date: 10/11/2006

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL5705
Instrument ID: MS17

Column: MS

Level ID	File ID
A	J:\MS17\DATA\101106\1011F011.D
B	J:\MS17\DATA\101106\1011F012.D
C	J:\MS17\DATA\101106\1011F005.D
D	J:\MS17\DATA\101106\1011F006.D
E	J:\MS17\DATA\101106\1011F007.D
F	J:\MS17\DATA\101106\1011F008.D
G	J:\MS17\DATA\101106\1011F009.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Pentachlorophenol	A	10	0.376	B	20	0.338	C	50	0.322	D	100	0.298	E	300	0.281
	F	500	0.280	G	1000	0.303									
2,4,6-Tribromophenol	A	10	0.164	B	20	0.195	C	50	0.196	D	100	0.196	E	300	0.191
	F	500	0.190	G	1000	0.212									

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Calibration Date: 10/11/2006

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL5705
Instrument ID: MS17

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Pentachlorophenol	MS	AverageRF	% RSD	10.9		≤ 15	0.314		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	7.4		≤ 15	0.192		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Calibration Date: 10/11/2006
Date Analyzed: 10/11/2006

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration ID: CAL5705
Units: ng/ml

File ID: J:\MS17\DATA\101106\1011F013.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	100	100	0.314	0.315	0	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/06/2006

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration Date: 10/06/2006
Calibration ID: CAL5696
Analysis Lot: KWG0617031
Units: ng/ml

File ID: J:\MS17\DATA\100606\1006F011.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dimethyl Phthalate	500	500	0.01	1.06	1.07	1	NA	± 20 %	AverageRF
Diethyl Phthalate	500	480	0.01	1.01	0.969	-4	NA	± 20 %	AverageRF
Di-n-butyl Phthalate	500	450	0.01	1.04	0.941	-10	NA	± 20 %	AverageRF
Pyrene	500	470	0.01	1.17	1.11	-6	NA	± 20 %	AverageRF
Bis(2-ethylhexyl) Phthalate	500	460	0.01	0.654	0.598	-9	NA	± 20 %	AverageRF
Di-n-octyl Phthalate	500	460	0.01	1.14	1.06	-8	NA	± 20 %	AverageRF
2-Fluorobiphenyl	500	470	0.01	1.16	1.09	-5	NA	± 20 %	AverageRF
2,4,6-Tribromophenol	500	480	0.01	0.0553	0.0534	-4	NA	± 20 %	AverageRF
Terphenyl-d14	500	480	0.01	0.774	0.744	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/06/2006

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration Date: 10/06/2006
Calibration ID: CAL5696
Analysis Lot: KWG0617061
Units: ng/ml

File ID: J:\MS17\DATA\100606\1006F033.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Dimethyl Phthalate	500	510	0.01	1.06	1.08	1		NA	± 20 %	AverageRF
Diethyl Phthalate	500	500	0.01	1.01	1.00	0		NA	± 20 %	AverageRF
Di-n-butyl Phthalate	500	490	0.01	1.04	1.03	-1		NA	± 20 %	AverageRF
Pyrene	500	470	0.01	1.17	1.11	-6		NA	± 20 %	AverageRF
Bis(2-ethylhexyl) Phthalate	500	510	0.01	0.654	0.667	2		NA	± 20 %	AverageRF
Di-n-octyl Phthalate	500	510	0.01	1.14	1.17	3		NA	± 20 %	AverageRF
2-Fluorobiphenyl	500	480	0.01	1.16	1.10	-5		NA	± 20 %	AverageRF
2,4,6-Tribromophenol	500	1000	0.01	0.0553	0.112	102	*	NA	± 20 %	AverageRF
Terphenyl-d14	500	480	0.01	0.774	0.750	-3		NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/10/2006

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration Date: 10/06/2006
Calibration ID: CAL5696
Analysis Lot: KWG0617075
Units: ng/ml

File ID: J:\MS17\DATA\101006\1010F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Dimethyl Phthalate	500	490	0.01	1.06	1.05	-1		NA	± 20 %	AverageRF
Diethyl Phthalate	500	490	0.01	1.01	0.982	-2		NA	± 20 %	AverageRF
Di-n-butyl Phthalate	500	460	0.01	1.04	0.951	-9		NA	± 20 %	AverageRF
Pyrene	500	480	0.01	1.17	1.13	-4		NA	± 20 %	AverageRF
Bis(2-ethylhexyl) Phthalate	500	480	0.01	0.654	0.626	-4		NA	± 20 %	AverageRF
Di-n-octyl Phthalate	500	510	0.01	1.14	1.16	2		NA	± 20 %	AverageRF
2-Fluorobiphenyl	500	470	0.01	1.16	1.09	-6		NA	± 20 %	AverageRF
2,4,6-Tribromophenol	500	250	0.01	0.0553	0.0276	-50	*	NA	± 20 %	AverageRF
Terphenyl-d14	500	480	0.01	0.774	0.749	-3		NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294
Date Analyzed: 10/11/2006

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration Date: 10/11/2006
Calibration ID: CAL5705
Analysis Lot: KWG0617230
Units: ng/ml

File ID: J:\MS17\DATA\101106A\1011F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pentachlorophenol	100	110	0.01	0.314	0.350	12	NA	± 20 %	AverageRF
2,4,6-Tribromophenol	100	96	0.01	0.192	0.184	-4	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0617031
Instrument ID: MS17

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1006F001.D	GC/MS Tuning - Decafluorotripheny	KWG0617031-1	10/06/2006	08:48		10/06/2006	09:01
1006F011.D	Continuing Calibration Verification	KWG0617031-2	10/06/2006	14:03		10/06/2006	14:18
1006F012.D	Method Blank	KWG0615880-5	10/06/2006	14:27		10/06/2006	14:42
1006F013.D	Lab Control Sample	KWG0615880-3	10/06/2006	14:47		10/06/2006	15:02
1006F014.D	Duplicate Lab Control Sample	KWG0615880-4	10/06/2006	15:06		10/06/2006	15:21
1006F015.D	4MS	KWG0615880-1	10/06/2006	15:25		10/06/2006	15:40
1006F016.D	4DMS	KWG0615880-2	10/06/2006	15:45		10/06/2006	16:00
1006F017.D	1	K0607294-001	10/06/2006	16:04		10/06/2006	16:19
1006F018.D	3	K0607294-004	10/06/2006	16:24		10/06/2006	16:39
1006F019.D	4	K0607294-005	10/06/2006	16:43		10/06/2006	16:58
1006F020.D	1b	K0607294-006	10/06/2006	17:02		10/06/2006	17:17
1006F021.D	5	K0607294-007	10/06/2006	17:22		10/06/2006	17:37
1006F022.D	6	K0607294-008	10/06/2006	17:41		10/06/2006	17:56
1006F023.D	7	K0607294-012	10/06/2006	18:01		10/06/2006	18:16
1006F024.D	9	K0607294-016	10/06/2006	18:20		10/06/2006	18:35
1006F025.D	10	K0607294-018	10/06/2006	18:39		10/06/2006	18:54
1006F026.D	12	K0607294-020	10/06/2006	18:59		10/06/2006	19:14
1006F027.D	13	K0607294-021	10/06/2006	19:18		10/06/2006	19:33
1006F028.D	14	K0607294-022	10/06/2006	19:38		10/06/2006	19:53
1006F029.D	NW2	K0607294-025	10/06/2006	19:57		10/06/2006	20:12

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0617061
Instrument ID: MS17

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1006F032.D	GC/MS Tuning - Decafluorotripheny	KWG0617061-1	10/06/2006	20:57		10/06/2006	21:10
1006F033.D	Continuing Calibration Verification	KWG0617061-2	10/06/2006	21:14		10/06/2006	21:29
1006F034.D	Method Blank	KWG0615881-5	10/06/2006	21:33		10/06/2006	21:48
1006F035.D	Lab Control Sample	KWG0615881-3	10/06/2006	21:52		10/06/2006	22:07
1006F036.D	Duplicate Lab Control Sample	KWG0615881-4	10/06/2006	22:12		10/06/2006	22:27
1006F037.D	NW1 SW1-1MS	KWG0615881-1	10/06/2006	22:31		10/06/2006	22:46
1006F038.D	NW1 SW1-1DMS	KWG0615881-2	10/06/2006	22:51		10/06/2006	23:06
1006F039.D	NW3	K0607294-026	10/06/2006	23:10		10/06/2006	23:25
1006F040.D	NW4	K0607294-027	10/06/2006	23:29		10/06/2006	23:44
1006F041.D	NW5	K0607294-029	10/06/2006	23:49		10/07/2006	00:04
1006F042.D	NW6	K0607294-030	10/07/2006	00:08		10/07/2006	00:23
1006F043.D	NW7	K0607294-031	10/07/2006	00:27		10/07/2006	00:42
1006F044.D	NW8	K0607294-032	10/07/2006	00:47		10/07/2006	01:02
1006F045.D	NW9	K0607294-034	10/07/2006	01:06		10/07/2006	01:21
1006F046.D	NW10	K0607294-035	10/07/2006	01:25		10/07/2006	01:40
1006F047.D	NW1 SW3-1	K0607294-036	10/07/2006	01:45		10/07/2006	02:00
1006F048.D	NW1 SW1-1	K0607294-037	10/07/2006	02:04		10/07/2006	02:19
1006F049.D	NW1 SW2-1	K0607294-039	10/07/2006	02:24		10/07/2006	02:39
1006F050.D	Comp 8,8a	K0607294-040	10/07/2006	02:43		10/07/2006	02:58

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0617075
Instrument ID: MS17

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1010F001.D	GC/MS Tuning - Decafluorotripheny	KWG0617075-1	10/10/2006	14:08		10/10/2006	14:21
1010F002.D	Continuing Calibration Verification	KWG0617075-2	10/10/2006	14:25		10/10/2006	14:40
1010F004.D	NW4	K0607294-027	10/10/2006	15:05		10/10/2006	15:20

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0617230
Instrument ID: MS17

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1011F001.D	GC/MS Tuning - Decafluorotripheny	KWG0617203-1	10/11/2006	15:36		10/11/2006	15:48
1011F002.D	Continuing Calibration Verification	KWG0617203-2	10/11/2006	15:53		10/11/2006	16:05
1011F003.D	Method Blank	KWG0615880-5	10/11/2006	16:10		10/11/2006	16:22
1011F004.D	Lab Control Sample	KWG0615880-3	10/11/2006	16:27		10/11/2006	16:39
1011F005.D	Duplicate Lab Control Sample	KWG0615880-4	10/11/2006	16:44		10/11/2006	16:56
1011F006.D	4MS	KWG0615880-1	10/11/2006	17:01		10/11/2006	17:13
1011F007.D	4DMS	KWG0615880-2	10/11/2006	17:18		10/11/2006	17:30
1011F008.D	1	K0607294-001	10/11/2006	17:35		10/11/2006	17:47
1011F009.D	3	K0607294-004	10/11/2006	17:52		10/11/2006	18:04
1011F010.D	4	K0607294-005	10/11/2006	18:09		10/11/2006	18:21
1011F011.D	1b	K0607294-006	10/11/2006	18:26		10/11/2006	18:38
1011F012.D	5	K0607294-007	10/11/2006	18:43		10/11/2006	18:55
1011F013.D	6	K0607294-008	10/11/2006	19:00		10/11/2006	19:12
1011F014.D	7	K0607294-012	10/11/2006	19:17		10/11/2006	19:29
1011F015.D	9	K0607294-016	10/11/2006	19:34		10/11/2006	19:46
1011F016.D	10	K0607294-018	10/11/2006	19:52		10/11/2006	20:04
1011F017.D	12	K0607294-020	10/11/2006	20:09		10/11/2006	20:21
1011F018.D	13	K0607294-021	10/11/2006	20:26		10/11/2006	20:38
1011F019.D	14	K0607294-022	10/11/2006	20:43		10/11/2006	20:55
1011F020.D	NW2	K0607294-025	10/11/2006	21:00		10/11/2006	21:12
1011F022.D	Method Blank	KWG0615881-5	10/11/2006	21:34		10/11/2006	21:46
1011F023.D	Lab Control Sample	KWG0615881-3	10/11/2006	21:51		10/11/2006	22:03
1011F024.D	Duplicate Lab Control Sample	KWG0615881-4	10/11/2006	22:08		10/11/2006	22:20
1011F025.D	NW1 SW1-1MS	KWG0615881-1	10/11/2006	22:25		10/11/2006	22:37
1011F026.D	NW1 SW1-1DMS	KWG0615881-2	10/11/2006	22:42		10/11/2006	22:54
1011F027.D	NW3	K0607294-026	10/11/2006	22:59		10/11/2006	23:11
1011F028.D	NW4	K0607294-027	10/11/2006	23:16		10/11/2006	23:28
1011F029.D	NW5	K0607294-029	10/11/2006	23:33		10/11/2006	23:45
1011F030.D	NW6	K0607294-030	10/11/2006	23:50		10/12/2006	00:02
1011F031.D	NW7	K0607294-031	10/12/2006	00:07		10/12/2006	00:19
1011F032.D	NW8	K0607294-032	10/12/2006	00:24		10/12/2006	00:36
1011F033.D	NW9	K0607294-034	10/12/2006	00:41		10/12/2006	00:53
1011F034.D	NW10	K0607294-035	10/12/2006	00:58		10/12/2006	01:10
1011F035.D	NW1 SW3-1	K0607294-036	10/12/2006	01:15		10/12/2006	01:27

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0617230
Instrument ID: MS17

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1011F036.D	NW1 SW1-1	K0607294-037	10/12/2006	01:32		10/12/2006	01:44
1011F037.D	NW1 SW2-1	K0607294-039	10/12/2006	01:49		10/12/2006	02:01
1011F038.D	Comp 8,8a	K0607294-040	10/12/2006	02:06		10/12/2006	02:18

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294
Date Extracted: 09/23/2006

Extraction Prep Log
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0615880
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
1DL	K0607294-001	08/02/06	08/29/06	10.04g	4ml	NA	
1	K0607294-001	08/02/06	08/29/06	10.04g	4ml	NA	
3DL	K0607294-004	08/02/06	08/29/06	10.01g	4ml	NA	
3	K0607294-004	08/02/06	08/29/06	10.01g	4ml	NA	
4DL	K0607294-005	08/02/06	08/29/06	10.06g	4ml	NA	
4	K0607294-005	08/02/06	08/29/06	10.06g	4ml	NA	
1bDL	K0607294-006	08/03/06	08/29/06	10.05g	4ml	NA	
1b	K0607294-006	08/03/06	08/29/06	10.05g	4ml	NA	
5DL	K0607294-007	08/03/06	08/29/06	10.06g	4ml	NA	
5	K0607294-007	08/03/06	08/29/06	10.06g	4ml	NA	
6DL	K0607294-008	08/03/06	08/29/06	10.01g	4ml	NA	
6	K0607294-008	08/03/06	08/29/06	10.01g	4ml	NA	
7DL	K0607294-012	08/03/06	08/29/06	10.08g	4ml	NA	
7	K0607294-012	08/03/06	08/29/06	10.08g	4ml	NA	
9DL	K0607294-016	08/03/06	08/29/06	10.01g	4ml	NA	
9	K0607294-016	08/03/06	08/29/06	10.01g	4ml	NA	
10DL	K0607294-018	08/03/06	08/29/06	10.06g	4ml	NA	
10	K0607294-018	08/03/06	08/29/06	10.06g	4ml	NA	
12DL	K0607294-020	08/04/06	08/29/06	10.01g	4ml	NA	
12	K0607294-020	08/04/06	08/29/06	10.01g	4ml	NA	
13DL	K0607294-021	08/04/06	08/29/06	10.00g	4ml	NA	
13	K0607294-021	08/04/06	08/29/06	10.00g	4ml	NA	
14DL	K0607294-022	08/04/06	08/29/06	10.06g	4ml	NA	
14	K0607294-022	08/04/06	08/29/06	10.06g	4ml	NA	
NW2DL	K0607294-025	08/06/06	08/29/06	10.08g	4ml	NA	
NW2	K0607294-025	08/06/06	08/29/06	10.08g	4ml	NA	
Method Blank	KWG0615880-5	NA	NA	10.09g	4ml	NA	
4MS	KWG0615880-1	08/02/06	08/29/06	10.01g	4ml	NA	
4DMS	KWG0615880-2	08/02/06	08/29/06	10.09g	4ml	NA	
Lab Control Sample	KWG0615880-3	NA	NA	10.00g	4ml	NA	
Duplicate Lab Control Sample	KWG0615880-4	NA	NA	10.00g	4ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838
Sample Matrix: Animal tissue

Service Request: K0607294
Date Extracted: 09/23/2006

Extraction Prep Log
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0615881
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
NW3DL	K0607294-026	08/06/06	08/29/06	10.02g	4ml	NA	
NW3	K0607294-026	08/06/06	08/29/06	10.02g	4ml	NA	
NW4DL	K0607294-027	08/05/06	08/29/06	10.05g	4ml	NA	
NW4	K0607294-027	08/05/06	08/29/06	10.05g	4ml	NA	
NW5DL	K0607294-029	08/05/06	08/29/06	10.08g	4ml	NA	
NW5	K0607294-029	08/05/06	08/29/06	10.08g	4ml	NA	
NW6DL	K0607294-030	08/19/06	08/29/06	10.04g	4ml	NA	
NW6	K0607294-030	08/19/06	08/29/06	10.04g	4ml	NA	
NW7DL	K0607294-031	08/19/06	08/29/06	10.06g	4ml	NA	
NW7	K0607294-031	08/19/06	08/29/06	10.06g	4ml	NA	
NW8DL	K0607294-032	08/19/06	08/29/06	10.03g	4ml	NA	
NW8	K0607294-032	08/19/06	08/29/06	10.03g	4ml	NA	
NW9DL	K0607294-034	08/19/06	08/29/06	10.05g	4ml	NA	
NW9	K0607294-034	08/19/06	08/29/06	10.05g	4ml	NA	
NW10DL	K0607294-035	08/20/06	08/29/06	10.01g	4ml	NA	
NW10	K0607294-035	08/20/06	08/29/06	10.01g	4ml	NA	
NW1 SW3-1DL	K0607294-036	08/24/06	08/29/06	10.13g	4ml	NA	
NW1 SW3-1	K0607294-036	08/24/06	08/29/06	10.13g	4ml	NA	
NW1 SW1-1DL	K0607294-037	08/24/06	08/29/06	10.18g	4ml	NA	
NW1 SW1-1	K0607294-037	08/24/06	08/29/06	10.18g	4ml	NA	
NW1 SW2-1DL	K0607294-039	08/09/06	08/29/06	10.32g	4ml	NA	
NW1 SW2-1	K0607294-039	08/09/06	08/29/06	10.32g	4ml	NA	
Comp 8,8aDL	K0607294-040	08/03/06	08/29/06	10.06g	4ml	NA	
Comp 8,8a	K0607294-040	08/03/06	08/29/06	10.06g	4ml	NA	
Method Blank	KWG0615881-5	NA	NA	10.32g	4ml	NA	
NW1 SW1-1MS	KWG0615881-1	08/24/06	08/29/06	10.16g	4ml	NA	
NW1 SW1-1DMS	KWG0615881-2	08/24/06	08/29/06	10.27g	4ml	NA	
Lab Control Sample	KWG0615881-3	NA	NA	10.00g	4ml	NA	
Duplicate Lab Control Sample	KWG0615881-4	NA	NA	10.00g	4ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Perchlorate

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

October 9, 2006

Ms. Lynda Huckestein
Columbia Analytical Services
1317 South 13th Avenue
P.O. Box 479
Kelso, WA 98626

PROJECT:MULIWAI TISSUE
Submission #:R2633699

Dear Ms. Huckestein

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Lab Submission # : R2633699
Project Manager : Michael Perry
Reported : 10/09/06

Report Contains a total of 82 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

CASE NARRATIVE
COMPANY: CAS/Kelso
PROJECT: Muliwai Tissue
SUBMISSION #: R2633699

Samples were collected 8/02/06 - 08/24/06 and received at CAS/Rochester on 09/21/06 in good condition packed in dry ice at a temperature of -31 °C. A Level 3 Data package has been delivered.

PERCHLORATES

Twenty-five tissue samples were analyzed for Perchlorate by a LC/MS method with DOD modifications from the DOD Perchlorate Handbook. Values detected between the MDL and PQL have been flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All Internal Standards were within QC limits.

Site-specific QC was requested on samples 4 and NW1 SW1-1. The Matrix Spike (MS)/Matrix Spike Duplicate (MSD) recoveries were outside QC limits on sample 4 and the recoveries were flagged with an "*". Note, the level of spike added on sample NW1 SW1-1 was very low compared to the amount of Perchlorate detected in the sample, therefore the recoveries were flagged with a "D". All RPD's were within QC limits. The Blank Spike (LCS) and LODV spike recoveries were within QC limits.

The Laboratory Blank associated with these samples was free of contamination.

Several samples were re-analyzed at larger dilutions to bring target analytes within the calibration range of the method. Both dilutions were reported with the values over the calibration range flagged with an "E".

No other QC or analytical problems were encountered.

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #:NW2	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2633699	DISKETTE REQUESTED: Y_X__ N____	DATE DUE: 10/02/06 RUSH
CLIENT: Columbia Analytical Services	DATE: 09/26/06	PROTOCOL: DOD-QC+Calibrat
CLIENT REP: Michael Perry	CUSTODY SEAL: PRESENT	SHIPPING No.:
PROJECT: MULIWAI TISSUE	CHAIN OF CUSTODY: PRESENT	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
938442	1	SOLID	Perchlorate	8/2/2006	9/21/2006			
938443	3	SOLID	Perchlorate	8/2/2006	9/21/2006			
938444	4 + QC	SOLID	Perchlorate	8/2/2006	9/21/2006			
938445	1B	SOLID	Perchlorate	8/3/2006	9/21/2006			
938446	5	SOLID	Perchlorate	8/3/2006	9/21/2006			
938447	6	SOLID	Perchlorate	8/3/2006	9/21/2006			
938448	7	SOLID	Perchlorate	8/3/2006	9/21/2006			
938449	9	SOLID	Perchlorate	8/3/2006	9/21/2006			
938450	10	SOLID	Perchlorate	8/3/2006	9/21/2006			
938451	12	SOLID	Perchlorate	8/4/2006	9/21/2006			
938452	13	SOLID	Perchlorate	8/4/2006	9/21/2006			
938453	14	SOLID	Perchlorate	8/4/2006	9/21/2006			
938454	NW1 (1to4D)	SOLID	Perchlorate	8/5/2006	9/21/2006			
938455	NW2	SOLID	Perchlorate	8/6/2006	9/21/2006			
938456	NW3	SOLID	Perchlorate	8/6/2006	9/21/2006			
938457	NW4	SOLID	Perchlorate	8/19/2006	9/21/2006			
938458	NW5	SOLID	Perchlorate	8/19/2006	9/21/2006			
938459	NW6	SOLID	Perchlorate	8/19/2006	9/21/2006			
938460	NW7	SOLID	Perchlorate	8/19/2006	9/21/2006			
938461	NW8	SOLID	Perchlorate	8/19/2006	9/21/2006			
938462	NW9	SOLID	Perchlorate	8/19/2006	9/21/2006			
938463	NW10	SOLID	Perchlorate	8/20/2006	9/21/2006			
938464	NW1 SW3-1	SOLID	Perchlorate	8/24/2006	9/21/2006			
938465	NW1 SW1-1 + QC	SOLID	Perchlorate	8/24/2006	9/21/2006			
938690	NW1 SW2-1	SOLID	Perchlorate	8/9/2006	9/21/2006			
938691	COMP 8,8A	SOLID	Perchlorate	8/9/2006	9/21/2006			

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Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Lynda Huckestein

-31 °C

Project Name: MuliwaiTissue
Project Number: Project 838
Project Manager: Gary Floyd
Company: Tetra Tech, Incorporated

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	MISC_OUT_1 None
K0607294-001	1		Animal Tissue	08/02/06		08/29/06	Rochester-NN	V
K0607294-004	3		Animal Tissue	08/02/06		08/29/06	Rochester-NN	V
K0607294-005	4		Animal Tissue	08/02/06		08/29/06	Rochester-NN	V
K0607294-006	1b		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V
K0607294-007	5		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V
K0607294-008	6		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V
K0607294-012	7		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V
K0607294-016	9		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V
K0607294-018	10		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V
K0607294-020	12		Animal Tissue	08/04/06		08/29/06	Rochester-NN	V
K0607294-021	13		Animal Tissue	08/04/06		08/29/06	Rochester-NN	V
K0607294-022	14		Animal Tissue	08/04/06		08/29/06	Rochester-NN	V

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Special Instructions/Comments

Perchlorate by HPLC/MS
Limited Sample Mass
Perform MS/MSD on K0607294-005 and K0607294-037

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS
1 2 3 4 5

____ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 10/02/06

Report Requirements

____ I. Results Only
____ II. Results + QC Summaries
(X) III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y
(EDD) Y BASIC_WQC

Invoice Information

PO# K0607294

Bill to

CT
Relinquished By: G. Jurell 9/20/06 1420 CHS/KE/SO

Received By: CAS 9-21-06 9:45

Airbill Number: _____

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Lynda Huckestein

Project Name: MuliwaiTissue
Project Number: Project 838
Project Manager: Gary Floyd
Company: Tetra Tech, Incorporated

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	MISC_OUT_1 None
K0607294-024	NW1		Animal Tissue	08/05/06		08/29/06	Rochester-NN	V
K0607294-025	NW2		Animal Tissue	08/06/06		08/29/06	Rochester-NN	V
K0607294-026	NW3		Animal Tissue	08/06/06		08/29/06	Rochester-NN	V
K0607294-027	NW4		Animal Tissue	08/05/06		08/29/06	Rochester-NN	V
K0607294-029	NW5		Animal Tissue	08/05/06		08/29/06	Rochester-NN	V
K0607294-030	NW6		Animal Tissue	08/19/06		08/29/06	Rochester-NN	V
K0607294-031	NW7		Animal Tissue	08/19/06		08/29/06	Rochester-NN	V
K0607294-032	NW8		Animal Tissue	08/19/06		08/29/06	Rochester-NN	V
K0607294-034	NW9		Animal Tissue	08/19/06		08/29/06	Rochester-NN	V
K0607294-035	NW10		Animal Tissue	08/20/06		08/29/06	Rochester-NN	V
K0607294-036	NW1 SW3-1		Animal Tissue	08/24/06		08/29/06	Rochester-NN	V
K0607294-037	NW1 SW1-1		Animal Tissue	08/24/06		08/29/06	Rochester-NN	V

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Special Instructions/Comments

Perchlorate by HPLC/MS

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

____ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 10/02/06

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

__X__ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J ___Y___

(EDD) ___Y___ BASIC_WQC

Invoice Information

PO# K0607294

Bill to

Relinquished By: A. Jewell 9/28/06 1420 CAS/Kelso

Received By: CAS 9-29-06 9:45

Airbill Number: _____

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Lynda Huckestein

Project Name: MuliwaiTissue
Project Number: Project 838
Project Manager: Gary Floyd
Company: Tetra Tech, Incorporated

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	MISC_OUT_1 None
K0607294-039	NW1 SW2-1		Animal Tissue	08/09/06		08/29/06	Rochester-NN	V
K0607294-040	Comp 8,8a		Animal Tissue	08/03/06		08/29/06	Rochester-NN	V

Test Comments

MISC_OUT_1 - None K0607294-001,5,6,7,8,12,16,18,20,21,22,24,25,26,27,29,30,31,32,34,35,36,37,39,40 Perchlorate analysis to be subcontracted to CAS/Rochester

Folder Comments:

Samples are re-issued from multiple SR's. -040=Composite samples 14 and 15 to make this sample.

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Special Instructions/Comments

Perchlorate by HPLC/MS

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

____ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 10/02/06

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

__X__ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y BASIC_WQC

Invoice Information

PO# K0607294

Bill to

Relinquished By: A. Gilbert 9/20/06 1420 CAS/Kelso

Received By: 9-21-06 9:45

Airbill Number:

Cooler Receipt And Preservation Check Form

Project/Client CAS-Kelso Submission Number RQ-33699.

Cooler received on 9-21-06 by: KE **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	NO	(N/A)		
5.	Were **Ice** or **Ice packs** present? – Dry Ice	(YES)	NO			
6.	Where did the bottles originate?	CAS/ROC, (CLIENT)				
7.	Temperature of cooler(s) upon receipt:	-31°C				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 9-21-06 @ 10:25

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MMP 9/21/06

Cooler Breakdown: Date: 9-21-06 by: KE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3						
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

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Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938442 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384421

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:21	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:52	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐

Lab ID: 938443 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384431

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:21	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:52	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938444 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384441

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:21	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

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Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938445 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384451

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938446 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384461

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938447 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384471

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

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Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938448 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384481

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938449 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384491

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:20	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938450 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384501

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938451 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384511

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938452 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384521

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938453 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384531

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938454 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384541

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938455 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384551

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938456 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384561

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

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Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938457 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384571

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:17	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938458 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384581

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938459 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384591

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938460 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384601

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938461 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384611

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938462 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384621

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:19	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

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Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938463 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384631

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938464 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384641

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938465 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9384651

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

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Chain of Custody

Submission: **R2633699** ***Client:*** Columbia Analytical Services

Lab ID: 938690 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9386901

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

Lab ID: 938691 ***Matrix*** SOLID

Received into CAS-Rochester Custody: 9/21/06 9:45:00 AM

Container: 9386911

Date of Custody	User	Dept	Storage Location	Purpose	Empty
09/21/06 14:53	gesmeria	Sample Management	Freezer 5	Storage	☐
10/03/06 8:22	ttraver	GC/MS Volatiles	Freezer 5	Storage	☐
10/03/06 8:23	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐
10/04/06 10:53	ttraver	GC/MS Volatiles	Cooler 3	Analysis	☐
10/05/06 10:18	ttraver	GC/MS Volatiles	Cooler 3	Storage	☐

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOLID

Spiked Order No. : 938444 Columbia Analytical Services

Client ID: 4

Test: PERCHLORATE PER DOD HANDBOOK

Analytical Units: UG/KG

Run Number : 135739

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	MATRIX SPIKE DUP. RPD	QC LIMITS RPD	QC LIMITS REC.
PERCHLORATE	2.50	0	3.80	152	3.80	152	0	20	75 - 125

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOLID

Spiked Order No. : 938465 Columbia Analytical Services

Client ID: NW1 SW1-1

Test: PERCHLORATE PER DOD HANDBOOK

Analytical Units: UG/KG

Run Number : 135750

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE		MATRIX SPIKE DUP.			QC LIMITS	
			FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
PERCHLORATE	2.50	41.0	48.0	D	43.0	D	11	20	75 - 125

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD: PERCHLORATE PER DOD HANDBOOK

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 944185 ANALYTICAL RUN # : 135739

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 10/04/06 ANALYTICAL DILUTION: 3.0			
PERCHLORATE	0.200	113	85 - 115

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD: PERCHLORATE PER DOD HANDBOOK

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 944323 ANALYTICAL RUN # : 135750

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 10/05/06 ANALYTICAL DILUTION: 3.0			
PERCHLORATE	0.200	114	85 - 115

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METHOD BLANK SUMMARY

Lab Name: Columbia Analytical Services | Contract: Columbia Analytical Services
Lab Code: 10145 | Case No.: R26-33699 | SAS No.: | SDG No.: NW2
Lab Sample ID.: 944184 | Lab File ID: TISSUE Blank 10/04/06
Matrix: (soil/water): TISSUE | Level: (low/med) LOW
Date Extracted: 10/4/2006
Date Analyzed: (1) 10/4/2006
Time Analyzed: (1) 14:30
Instument ID: (1) B0004313
HPLC Column ID: (1) K`(prime) 250x4.6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	Instrument ID
1	Tissue LCS	944165	10/4/2006	B0004314
2	1	938442	10/4/2006	B0004316
3	3	938443	10/4/2006	B0004317
4	4	938444	10/4/2006	B0004318
5	4 MS	938444MS	10/4/2006	B0004319
6	4 MSD	938444MSD	10/4/2006	B0004320
7	1B	938445	10/4/2006	B0004321
8	5	938446	10/4/2006	B0004322
9	6	938447	10/4/2006	B0004323
10	7	938448	10/4/2006	B0004324
11	9	938449	10/4/2006	B0004325
12	10	938450	10/4/2006	B0004326
13	12	938451	10/4/2006	B0004327
14	13	938452	10/4/2006	B0004328
15	14	938453	10/4/2006	B0004329
16	6 DL	938447DL	10/5/2006	B0004336
17	7 DL	938448DL	10/5/2006	B0004337
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METHOD BLANK SUMMARY

Lab Name:	Columbia Analytical Services		Contract:	Columbia Analytical Services	
Lab Code:	10145	Case No.: R26-33699	SAS No.:	SDG No.:	NW2
Lab Sample ID.:	944322		Lab File ID:	TISSUE Blank 10/05/06	
Matrix: (soil/water):	TISSUE		Level: (low/med)	LOW	
Date Extracted:	10/5/2006				
Date Analyzed: (1)	10/5/2006				
Time Analyzed: (1)	15:36				
Instument ID: (1)	B0004348				
HPLC Column ID: (1)	K`(prime) 250x4.6				

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	Instrument ID
1	Tissue LCS 10/05	944323	10/5/2006	B0004349
2	NW1	938454	10/5/2006	B0004350
3	NW2	938455	10/5/2006	B0004351
4	NW3	938456	10/5/2006	B0004352
5	NW4	938457	10/5/2006	B0004353
6	NW5	938458	10/5/2006	B0004354
7	NW6	938459	10/5/2006	B0004355
8	NW7	938460	10/5/2006	B0004356
9	NW8	938461	10/5/2006	B0004357
10	NW9	938462	10/5/2006	B0004360
11	NW10	938463	10/5/2006	B0004361
12	NW1 SW3-1	938464	10/5/2006	B0004362
13	NW1 SW1-1	938465	10/5/2006	B0004363
14	NW1 SW1-1MS	938465MS	10/5/2006	B0004364
15	NW1 SW1-1MSD	938465MSD	10/5/2006	B0004365
16	NW1 SW2-1	938690	10/5/2006	B0004366
17	COMP 8,8A	938961	10/5/2006	B0004367
18	NW1RE	938454RE	10/6/2006	B0004373
19	NW2RE	938455RE	10/6/2006	B0004375
20	NW3RE	938456RE	10/6/2006	B0004377
21	NW4RE	938457RE	10/6/2006	B0004379
22	NW5RE	938458RE	10/6/2006	B0004381
23	NW6RE	938459RE	10/6/2006	B0004383
24	NW7RE	938460RE	10/6/2006	B0004387
25	NW8RE	938461RE	10/6/2006	B0004389
26	NW9DL	938462DL	10/6/2006	B0004391
27	NW10RE	938463RE	10/6/2006	B0004393
28	NW1 SW3-1RE	938464RE	10/6/2006	B0004395
29	NW1 SW1-1DL	938465DL	10/6/2006	B0004397

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METHOD BLANK SUMMARY

Lab Name: Columbia Analytical Services Contract: Columbia Analytical Services
Lab Code: 10145 Case No.: R26-33699 SAS No.: SDG No.: NW2
Lab Sample ID.: 944322 Lab File ID: TISSUE Blank 10/05/06
Matrix: (soil/water): TISSUE Level: (low/med) LOW
Date Extracted: 10/5/2006
Date Analyzed: (1) 10/5/2006
Time Analyzed: (1) 15:36
Instument ID: (1) B0004348
HPLC Column ID: (1) K`(prime) 250x4.6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	Instrument ID
1	NW1 SW1-1MS DL	938456MSDL	10/6/2006	B0004399
2	NW1 SW1-1MSD DL	938465MSDDL	10/6/2006	B0004401
3	NW1 SW2-1RE	938690RE	10/6/2006	B0004403
4	COMP 8,8A RE	938961RE	10/6/2006	B0004405
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PERCHLORATE INTERNAL STANDARD AREA AND CCV BATCHING

Lab Name: CAS-ROCHESTER Contract: CAS

Lab Code: 10145 Case No.: R26-33699 SAS No.: SDG No.: NW2

Lab File ID (Standard): B0004249 Date Analyzed: 09/25/06

Instrument ID: HPLC 02 Time Analyzed: 10:48

Column: K'Prime

		IS1 AREA	#	IS RT			
	OPENING CCV	1330557		10.32			
	UPPER LIMIT	1995836					
	LOWER LIMIT	665279					
	EPA SAMPLE NO.						
01	CCV2.0	1368570		10.60			
02	Tissue blk 10/04	1040492		10.33			
03	Tissue lcs 10/04	1019923		10.33			
04	LODV	1441328		10.59			
05	938442	1254992		10.16			
06	938443	1233999		10.08			
07	938444	1236711		10.13			
08	938444ms	1228538		10.18			
09	938444msd	1219999		10.19			
10	938445	1251596		10.14			
11	938446	1220391		10.14			
12	938447	922497		10.15			
13	938448	983939		10.18			
14	938449	1179257		10.16			
15	938450	1197834		10.17			
16	938451	1236751		10.08			
17	938452	1291526		10.09			
18	938453	1318542		10.13			
19	LODV	1401924		10.59			
20	CCV2.0	1395716		10.60			
21	CCV 1.0	1436563		10.60			
22	LODV	1389451		10.58			
23	938447DL	981314		10.33			
24	938448DL	1016564		10.28			
25	CCV 2.0	1420197		10.62			

IS1 = O18LP

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area

Form 8 Pg 1 of 3

Column to be used to flag values outside QC limit with an asterisk.
* Values outside method required QC limits.

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PERCHLORATE INTERNAL STANDARD AREA AND CCV BATCHING

Lab Name: CAS-ROCHESTER Contract: CAS

Lab Code: 10145 Case No.: R26-33699 SAS No.: SDG No.: NW2

Lab File ID (Standard): B0004249 Date Analyzed: 09/25/06

Instrument ID: HPLC 02 Time Analyzed: 10:48

Column: K'Prime

		IS1 AREA	#	IS RT			
	OPENING CCV	1330557		10.32			
	UPPER LIMIT	1995836					
	LOWER LIMIT	665279					
	EPA SAMPLE NO.						
01	CCV2.0	1740785		10.52			
02	LODV	1829038		10.48			
03	Tissue blk 10/05	1374406		10.23			
04	Tissue lcs 10/05	1245335		10.25			
05	938454	2264657	*	10.19			
06	938455	2229512	*	10.11			
07	938456	2321149	*	10.16			
08	938457	1835993		10.10			
09	938458	2264343	*	10.14			
10	938459	1941465		10.10			
11	938460	2038091	*	10.13			
12	938461	2108270	*	10.13			
13	LODV	1773519		10.50			
14	CCV 1.0	1843377		10.51			
15	938462	1334843		10.11			
16	938463	2150423	*	10.10			
17	938464	1874541		9.88			
18	938465	2140083	*	9.93			
19	938465MS	2149489	*	9.93			
20	938465MSD	1918608		9.93			
21	938690	1813811		9.99			
22	938691	1899419		10.09			
23	LODV	1650930		10.52			
24	CCV 1.0	NO INJECTION					
25	CCV 2.0	1485845		10.45			

IS1 = O18LP

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area

form 6 pg 2 of 3

Column to be used to flag values outside QC limit with an asterisk.
* Values outside method required QC limits.

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PERCHLORATE INTERNAL STANDARD AREA AND CCV BATCHING

Lab Name: CAS-ROCHESTER Contract: CAS

Lab Code: 10145 Case No.: R26-33699 SAS No.: SDG No.: NW2

Lab File ID (Standard): B0004249 Date Analyzed: 09/25/06

Instrument ID: HPLC 02 Time Analyzed: 10:48

Column: K'Prime

		IS1 AREA	#	IS RT			
	OPENING CCV	1330557		10.32			
	UPPER LIMIT	1995836					
	LOWER LIMIT	665279					
	EPA SAMPLE NO.						
01	LODV	1683547		10.43			
02	938454RE	2057514	*	10.13			
03	938455RE	2084060	*	10.09			
04	938456RE	2290989	*	10.13			
05	938457RE	1652798		10.08			
06	938458RE	2224742	*	10.13			
07	938459RE	1859964		10.08			
08	LODV	1765730		10.49			
09	CCV 1.0	1824830		10.48			
10	938460RE	1843742		10.14			
11	938461RE	2133699	*	10.08			
12	938462DL	1371269		10.18			
13	938463RE	2219388	*	10.03			
14	938464RE	1879905		9.83			
15	938465DL	1742730		10.08			
16	938465MSDL	1641074		10.08			
17	938465MSDDL	1670785		10.08			
18	938690RE	2037316	*	9.98			
19	938691RE	1939669		10.03			
20	LODV	1821373		10.48			
21	CCV 2.0	1723427		10.48			
22							
23							
24							
25							

IS1 = O18LP

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area

form 8 pg 3 of 3

Column to be used to flag values outside QC limit with an asterisk.
* Values outside method required QC limits.

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PERCHLORATE LODV SUMMARY

Lab Name: CAS/ROCH Contract: CAS

Lab Code: 10145 Case No.: R26-33699SAS No.: SDG No.: NW2

Instrument ID: HPLC 02

Column: K'Prime 250X4.6

	FILE #	EXTRACTION DATE	ANALYSIS DATE	ANALYSIS TIME	SPIKE AMOUNT	SPIKE RECOVERY	% RECOVERY
01	B0004315	10/3/06	10/4/06	15:10	0.10ppb	0.09	90
02	B0004330	10/3/06	10/4/06	19:06	0.10ppb	0.09	90
03	B0004335	10/3/06	10/5/06	8:19	0.10ppb	0.09	90
04	B0004347	10/3/06	10/5/06	15:20	0.10ppb	0.11	110
05	B0004358	10/3/06	10/5/06	18:13	0.10ppb	0.200	200*
06	B0004368	10/3/06	10/5/06	20:50	0.10ppb	INDETERMINATE	*
07	B0004372	10/3/06	10/6/06	9:37	0.10ppb	0.100	100
08	B0004385	10/3/06	10/6/06	14:12	0.10ppb	0.100	100
09	B0004407	10/3/06	10/6/06	20:14	0.10ppb	0.100	100
10							
11							
12							
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22							
23							
24							
25							

IS1 = O18LP

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area

Column to be used to flag values outside QC limit with an asterisk.
* Values outside method required QC limits.

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Columbia Analytical Services
Method Detection Limit Study

Analytical Method:	perchlorate by HPLC
Extr./Dig. Method:	modified FDA for tissue
Matrix:	tissue
Units:	ug/Kg (ppb)
Analyst(s):	Tom Traver
Instrument:	HPLC02-HPLCMS

Sample ID:		MDL-1	MDL-2	MDL-3	MDL-4	MDL-5	MDL-6	MDL-7								
Date Analyzed:		10/4/2006	10/4/2006	10/6/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006								
Analyte:	Spike Level:	Result 1	Result 2	Result 3	Result 4	Result 5	Result 6	Result 7	Mean	Std Dev.	T-Value	Calc. MDL	Reported MRL	% RSD	Average % Rec.	MDL Qualifier notes
Perchlorate	1.00	1.170	1.110	1.230	1.110	1.200	1.140	1.080	1.149	0.054	3.143	0.170	0.6	5%	115%	Valid MDL Data

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10/6/06

Supervisor Approval _____

QA/QC Approval _____

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 1

Date Sampled : 08/02/06 **Order #:** 938442 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	1.9	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 3

Date Sampled : 08/02/06 **Order #:** 938443 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 4

Date Sampled : 08/02/06 **Order #:** 938444 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 1B

Date Sampled : 08/03/06 **Order #:** 938445 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 5

Date Sampled : 08/03/06 **Order #:** 938446 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 6

Date Sampled : 08/03/06 **Order #:** 938447 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	96 E	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 6

Date Sampled : 08/03/06 **Order #:** 938447 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/05/05			
ANALYTICAL DILUTION: 30.00			
PERCHLORATE	0.20	97	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 7

Date Sampled : 08/03/06 **Order #:** 938448 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	37 E	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 7

Date Sampled : 08/03/06 **Order #:** 938448 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 15.00			
PERCHLORATE	0.20	40	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 9

Date Sampled : 08/03/06 **Order #:** 938449 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	1.2	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 10

Date Sampled : 08/03/06 **Order #:** 938450 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 12

Date Sampled : 08/04/06 **Order #:** 938451 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 13

Date Sampled : 08/04/06 **Order #:** 938452 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE		PQL	RESULT	UNITS
DATE EXTRACTED	: 10/04/06			
DATE ANALYZED	: 10/04/06			
ANALYTICAL DILUTION:	3.00			
PERCHLORATE		0.20	1.4	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : 14

Date Sampled : 08/04/06 **Order #:** 938453 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1

Date Sampled : 08/05/06 **Order #:** 938454 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW2

Date Sampled : 08/06/06 **Order #:** 938455 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW2

Date Sampled : 08/06/06 **Order #:** 938455 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW3

Date Sampled : 08/06/06 **Order #:** 938456 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE		PQL	RESULT	UNITS
DATE EXTRACTED	: 10/05/06			
DATE ANALYZED	: 10/05/06			
ANALYTICAL DILUTION:	3.00			
PERCHLORATE		0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW3

Date Sampled : 08/06/06 **Order #:** 938456 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW4

Date Sampled : 08/19/06 **Order #:** 938457 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW4

Date Sampled : 08/19/06 **Order #:** 938457 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW5

Date Sampled : 08/19/06 **Order #:** 938458 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW5

Date Sampled : 08/19/06 **Order #:** 938458 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW6

Date Sampled : 08/19/06 **Order #:** 938459 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 17.00			
PERCHLORATE	0.20	3.4 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW6

Date Sampled : 08/19/06 **Order #:** 938459 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW7

Date Sampled : 08/19/06 **Order #:** 938460 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW7

Date Sampled : 08/19/06 **Order #:** 938460 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW8

Date Sampled : 08/19/06 **Order #:** 938461 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW8

Date Sampled : 08/19/06 **Order #:** 938461 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW9

Date Sampled : 08/19/06 **Order #:** 938462 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	95 E	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW9

Date Sampled : 08/19/06 **Order #:** 938462 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 30.00			
PERCHLORATE	0.20	110	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW10

Date Sampled : 08/20/06 **Order #:** 938463 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW10

Date Sampled : 08/20/06 **Order #:** 938463 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1 SW3-1

Date Sampled : 08/24/06 **Order #:** 938464 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	11	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1 SW3-1

Date Sampled : 08/24/06 **Order #:** 938464 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	11	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1 SW1-1

Date Sampled : 08/24/06 **Order #:** 938465 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	41 E	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1 SW1-1

Date Sampled : 08/24/06 **Order #:** 938465 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 15.00			
PERCHLORATE	0.20	52	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1 SW2-1

Date Sampled : 08/09/06 **Order #:** 938690 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : NW1 SW2-1

Date Sampled : 08/09/06 **Order #:** 938690 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : COMP 8,8A

Date Sampled : 08/09/06 **Order #:** 938691 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE		PQL	RESULT	UNITS
DATE EXTRACTED	: 10/05/06			
DATE ANALYZED	: 10/05/06			
ANALYTICAL DILUTION:	3.00			
PERCHLORATE		0.20	3.9	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Columbia Analytical Services
Project Reference: MULIWAI TISSUE
Client Sample ID : COMP 8,8A

Date Sampled : 08/09/06 **Order #:** 938691 **Sample Matrix:** SOLID
Date Received: 09/21/06 **Submission #:** R2633699 **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/06/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	4.2	UG/KG

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COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 944184 **Sample Matrix:** SOLID
Date Received: **Submission #:** **Analytical Run** 135739

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/04/06			
DATE ANALYZED : 10/04/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD PERCHLORATE PER DOD HANDBOOK
Reported: 10/09/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 944322 **Sample Matrix:** SOLID
Date Received: **Submission #:** **Analytical Run** 135750

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/05/06			
DATE ANALYZED : 10/05/06			
ANALYTICAL DILUTION: 3.00			
PERCHLORATE	0.20	0.60 U	UG/KG

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Dioxins

10655 Richmond Avenue Suite 130 A Houston, TX 77042 (713) 266-1599 (713) 266-0130 fax

Columbia Analytical Services INC.
An Employee - Owned Company

October 04, 2006,

Lynda Huckestein
Columbia Analytical Services, Inc
1317 South 13th Avenue
Kelso, WA 98626

CAS/Houston SR: ***K0607294***
Project: ***Muliwai Tissue***

Dear Lynda,

Enclosed are the results of the sample(s) submitted to our laboratory on September 21, 2006. For your reference, these analyses have been assigned our service request number K0607294.

All analyses were performed according to our laboratory's quality assurance program. The test results meet the requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 23. You may also contact me via email at jfreemyer@houston.caslab.com.

Respectfully submitted,
COLUMBIA ANALYTICAL SERVICES, INC

Jane Freemyer
Project Manager

COLUMBIA ANALYTICAL SERVICES, INC

Client:	Tetra Tech, Incorporated	**Service Request No.:**	K0607294
Project:	Muliwai Tissue	**Date Received:**	09/21/06
Sample Matrix:	Tissue		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty seven tissue samples were received for analysis at Columbia Analytical Services on 09/21/06.

The samples were received at <0°C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a freezer at -20°C upon receipt at the laboratory.

Data Validation Notes and Discussion

B flags – Method Blanks

The Method Blank EB27020-MB/U17032#1 contained low levels of 1234678-HpCDD, OCDD and OCDF at or below the Method Reporting Limit (MRL).

The Method Blank EB27020-MB/U17045#1 contained low levels of 1234678-HpCDD and OCDD at or below the Method Reporting Limit (MRL).

The Method Blank EB27020-MB/U26888#1 contained low levels of OCDD at or below the Method Reporting Limit (MRL).

The Method Blank EB27025-MB/U17058#1 contained low levels of 1234678-HpCDD, OCDD, 1234678-HpCDF and OCDF at or below the Method Reporting Limit (MRL).

The associated compounds in the samples are flagged with 'B' flags.

MS/MSD

EB27020: Laboratory Control Spike (LCS) sample was analyzed and reported.

EB27025: Laboratory Control Spike (LCS) sample was analyzed and reported.

Approved by Xiangqiu Liang **Date** 10/6/06

Xiangqiu Liang, Laboratory Director

C flags – 2378-TCDF Confirmation

Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package.

The valid result for the 2378-TCDF compound is reported from the confirmation column.

The confirmation results have been included on the Form 3 summary pages.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The Form 3 results for each sample have been calculated by CAS/Houston to include:

- WHO-98 TEFs
- 2378-TCDF from the DB-225 column, when confirmation required
- Non-detected compounds are not included in the 'Total'

Approved by Xiangqiu Liang **Date** 10/6/06

Xiangqiu Liang, Laboratory Director

Client: Tetra Tech, Incorporated
Project: MuliwaiTissue/Project 838

Service Request: K0607294

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K0607294-001	1	08/02/06	
K0607294-002	1a	08/02/06	
K0607294-003	2	08/02/06	
K0607294-004	3	08/02/06	
K0607294-005	4	08/02/06	
K0607294-006	1b	08/03/06	
K0607294-007	5	08/03/06	
K0607294-008	6	08/03/06	
K0607294-009	2fd	08/03/06	
K0607294-010	6a	08/03/06	
K0607294-011	2fda	08/03/06	
K0607294-012	7	08/03/06	
K0607294-013	7a	08/03/06	
K0607294-014	8	08/03/06	
K0607294-015	8a	08/08/06	
K0607294-016	9	08/03/06	
K0607294-017	9afd	08/03/06	
K0607294-018	10	08/03/06	
K0607294-019	10a	08/03/06	
K0607294-020	12	08/04/06	
K0607294-021	13	08/04/06	
K0607294-022	14	08/04/06	
K0607294-023	NW1 F10-1	08/05/06	
K0607294-024	NW1	08/05/06	
K0607294-025	NW2	08/06/06	
K0607294-026	NW3	08/06/06	
K0607294-027	NW4	08/05/06	
K0607294-028	NW1fd	08/05/06	
K0607294-029	NW5	08/05/06	
K0607294-030	NW6	08/19/06	
K0607294-031	NW7	08/19/06	
K0607294-032	NW8	08/19/06	
K0607294-033	NW2fd	08/19/06	
K0607294-034	NW9	08/19/06	
K0607294-035	NW10	08/20/06	
K0607294-036	NW1 SW3-1	08/24/06	
K0607294-037	NW1 SW1-1	08/24/06	
K0607294-038	NW1 SW1-1fd	08/09/06	
K0607294-039	NW1 SW2-1	08/09/06	
K0607294-040	Comp 8,8a	08/03/06	
K0607294-041	Comp 2,3	08/02/06	
K0607294-042	Comp 9afd and 10a		

Method 8290/Dioxins & Furans
Method Reporting Limits

Congener	Congener Abbreviation	CAS RN	Water pg/L	Solid ng/Kg
2,3,7,8-Tetrachlorodibenzo-p-dioxin	2378-TCDD	1746-01-6	10	1.0
1,2,3,7,8-Pentachlorodibenzo-p-dioxins	12378-PeCDD	40321-76-4	25	2.5
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	123678-HxCDD	57653-85-7	25	2.5
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	123478-HxCDD	39227-28-6	25	2.5
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	123789-HxCDD	19408-74-3	25	2.5
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1234678-HpCDD	35822-46-9	25	2.5
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	OCDD	3268-87-9	50	5.0
2,3,7,8-Tetrachlorodibenzofuran	2378-TCDF	51207-31-9	10	1.0
1,2,3,7,8-Pentachlorodibenzofuran	12378-PeCDF	57117-41-6	25	2.5
2,3,4,7,8-Pentachlorodibenzofuran	23478-PeCDF	57117-31-4	25	2.5
1,2,3,6,7,8-Hexachlorodibenzofuran	123678-HxCDF	57117-44-9	25	2.5
1,2,3,7,8,9-Hexachlorodibenzofuran	123789-HxCDF	72918-21-9	25	2.5
1,2,3,4,7,8-Hexachlorodibenzofuran	123478-HxCDF	70648-26-9	25	2.5
2,3,4,6,7,8-Hexachlorodibenzofuran	234678-HxCDF	60851-34-5	25	2.5
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1234678-HpCDF	67562-39-4	25	2.5
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1234789-HpCDF	55673-89-7	25	5.0
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	OCDF	39001-02-0	50	5.0
Total Tetra-Dioxins	*	*	10	1.0
Total Penta-Dioxins	*	*	25	2.5
Total Hexa-Dioxins	*	*	25	2.5
Total Hepta-Dioxins	*	*	25	2.5
Total Tetra-Furans	*	*	10	1.0
Total Penta-Furans	*	*	25	2.5
Total Hexa-Furans	*	*	25	2.5
Total Hepta-Furans	*	*	25	2.5

For solid samples: Soil samples are reported on a dry-weight basis and tissue samples are reported on a wet-weight basis.

Data Qualifier Flags

- **B** Used when an associated analyte is found in the method blank, as well as in the sample

- **C** Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package. The results from the DB-225 analyses should be used to evaluate the 2378-TCDF in the samples. The confirmed result should be used in determining the TEQ value for TCDF. The samples requiring confirmation are indicated in the table above.

- **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range

- **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the detection limit (DL)

- **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

- **U** Indicates the compound was analyzed and not detected.

- **X** User defined; see case narrative for detailed explanation

- **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags on the Form 2s. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

- * Indicates concentration is reported as 'Not Detected'

- **S** Peak is saturated; data not reportable

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: KC607294

First Level - Data Processing - to be filled by person generating the forms

Date	09/28/01	Person 1	hn
Date	9/29/06 10/02/06	Person 2	cee (016,018,020,021,022,026,027,029,025)

Second Level - Data Review – to be filled by person doing peer review

Date	9/29/06	Primary Data Reviewer	
Date	~~09~~ 10/02/06	Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	10/4/6	Reviewer	

Columbia Analytical Services INC.

An Employee - Owned Company

Chain-of-custody

10655 Richmond Avenue, Suite 130-A, Houston, TX 77042
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Lynda Huckestein

Project Name: MuliwaiTissue
Project Number: Project 838
Project Manager: Gary Floyd
Company: Tetra Tech, Incorporated

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PCDD_PCDF 8290
K0607294-001	1		Animal Tissue	08/02/06		08/29/06	HOUSTON	V
K0607294-004	3		Animal Tissue	08/02/06		08/29/06	HOUSTON	V
K0607294-005	4 (X) Test sample ~~+duplicate~~ MS/MSD (DF)		Animal Tissue	08/02/06		08/29/06	HOUSTON	V
K0607294-006	1b		Animal Tissue	08/03/06		08/29/06	HOUSTON	V
K0607294-007	5		Animal Tissue	08/03/06		08/29/06	HOUSTON	V
K0607294-008	6		Animal Tissue	08/03/06		08/29/06	HOUSTON	V
K0607294-012	7		Animal Tissue	08/03/06		08/29/06	HOUSTON	V
K0607294-016	9		Animal Tissue	08/03/06		08/29/06	HOUSTON	V
K0607294-018	10		Animal Tissue	08/03/06		08/29/06	HOUSTON	V
K0607294-020	12		Animal Tissue	08/04/06		08/29/06	HOUSTON	V
K0607294-021	13		Animal Tissue	08/04/06		08/29/06	HOUSTON	V
K0607294-022	14		Animal Tissue	08/04/06		08/29/06	HOUSTON	V

3042

Level IV QC (DF)

Special Instructions/Comments

Limited Sample Mass !

QC on K0607254-005 + -037
~~Duplicate~~ MS/MSD
(DF)

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS
1 2 3 4 5

____ **STANDARD**

Requested FAX Date: ____

Requested Report Date: ~~10/02/06~~ 10/5/06

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

__X__ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

(EDD) Y BASIC_WQC

Invoice Information

PO# K0607294

Bill to

Relinquished By: A. Jarrell 9/20/06 1420 CTS/Kelso

Received By: 9/21/06 1030

Airbill Number:

~~20°C~~ < 0°C

10

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Lynda Huckestein

Project Name: MuliwaiTissue
Project Number: Project 838
Project Manager: Gary Floyd
Company: Tetra Tech, Incorporated

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PCDD_PCDF 8290
~~K0607294-024~~	~~NW1~~ Hold (DF)		Animal Tissue	08/05/06		08/29/06	HOUSTON	V → sample placed on 'Hold' by LH 9/21/6 DF
K0607294-025	NW2		Animal Tissue	08/06/06		08/29/06	HOUSTON	V
K0607294-026	NW3		Animal Tissue	08/06/06		08/29/06	HOUSTON	V
K0607294-027	NW4		Animal Tissue	08/05/06		08/29/06	HOUSTON	V
K0607294-029	NW5		Animal Tissue	08/05/06		08/29/06	HOUSTON	V
K0607294-030	NW6		Animal Tissue	08/19/06		08/29/06	HOUSTON	V
K0607294-031	NW7		Animal Tissue	08/19/06		08/29/06	HOUSTON	V
K0607294-032	NW8		Animal Tissue	08/19/06		08/29/06	HOUSTON	V
K0607294-034	NW9		Animal Tissue	08/19/06		08/29/06	HOUSTON	V
K0607294-035	NW10		Animal Tissue	08/20/06		08/29/06	HOUSTON	V
K0607294-036	NW1 SW3-1		Animal Tissue	08/24/06		08/29/06	HOUSTON	V
K0607294-037	NW1 SW1-1 (*) Test sample ~~+ duplicate~~ MS/MSD (DF)		Animal Tissue	08/24/06		08/29/06	HOUSTON	V

3043

Special Instructions/Comments

~~K0607294-037~~ – Run duplicate MS/MSD (DF)

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

____ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 10/02/06

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

__X__ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J ___Y___

EDD ___Y___ BASIC_WQC

Invoice Information

PO# K0607294

Bill to

Relinquished By: A. Gyrell 9/20/06 1420 CAS/Kelso

Received By: 9/21/06 10:30

Airbill Number:

~~20°C~~ < 0°C

11

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Lynda Huckestein

Project Name: MuliwaiTissue
Project Number: Project 838
Project Manager: Gary Floyd
Company: Tetra Tech, Incorporated

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PCDD_PCDF 8290
K0607294-039	NW1 SW2-1		Animal Tissue	08/09/06		08/29/06	HOUSTON	V
K0607294-040	Comp 8,8a		Animal Tissue	08/03/06		08/29/06	HOUSTON	V

Test Comments

PCDD_PCDF - 8290 K0607294-001,4,5,6,7,8,12,16,18,20,21,22,24, 25,26,27,29,30,31,32,34,35,36,37,39,40 Analysis to be performed at CAS/Houston

Folder Comments:

Samples are re-issued from multiple SR's. -040=Composite samples 14 and 15 to make this sample.

3044

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	____**RUSH** (Surcharges Apply) **PLEASE CIRCLE WORK DAYS** 1 2 3 4 5 ____**STANDARD** Requested FAX Date: _____ Requested Report Date: 10/02/06	____ I. Results Only ____ II. Results + QC Summaries __X__ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data PQL/MDL/J ___Y___ EDD ___Y___ BASIC_WQC	PO# K0607294 Bill to

Relinquished By: [signature] 9/20/06 1420 CAS/Kelso

Received By: [signature] 9/21/06 1050 ~~2°C~~ 10°C

Airbill Number:

12

Service Request Summary

Folder #: **K0607294**
Client Name: Tetra Tech, Incorporated
Project Name: MuliwaiTissue
Project Number: Project 838

Report To: Gary Floyd
Tetra Tech, Incorporated
180 Howard Street, Suite 250
San Francisco, CA 94105
Phone Number: 415-974-1221
Cell Number:
Fax Number:
E-mail: gfloyd@ttsfo.com

Project Chemist: Janice Jaeger
Originating Lab: KELSO
Logged By: AJUELL
Date Received: 08/29 - 09/18/2006
Internal Due Date: 10/02/2006
QAPP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: Y
Report to MDL?: Y
P.O. Number: 838
EDD: BASIC_WQC

164 - 4 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
72 - 16 oz-Glass Jar WM Unpreserved
63 - -N/A N/A
45 - 1 each-Plastic Bag Ziplock Unpreserved
21 - 8 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
10 - 16 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
2 - 2 oz-Glass Jar WM CLEAR Teflon Liner 4-deg C

Location: K-Frosty-15, SMO, SUBBED, K-Frosty-04

				KELSO	KELSO										
CAS Samp No.	Client Samp No.	Matrix	Collected	CN_TOT/ 9012A	COMPOSITE/ Composite	FRZ_DRY/ Frz Dry	HG/ 7471A	HOMOGEN/ Homogen	METALS_T/ 200.8	METALS_T/ 6010B	METHYL_HG/ 1630 Modified	MISC_MET1/ None	SE_T/ 7740	SUB_SAMPLE/ Subsample
K0607294-001	1	Animal	8/2/06	V	V	V	V	V	V	V	V		V	V
K0607294-002	1a	Animal	8/2/06											
K0607294-003	2	Animal	8/2/06		V(C)									
K0607294-004	3	Animal	8/2/06	V	V	V	V	V	V	V	V		V	V
K0607294-005	4	Animal	8/2/06	V	V	V	V	V	V	V	V		V	V
K0607294-006	1b	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-007	5	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-008	6	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-009	2fd	Animal	8/3/06		V			V						V
K0607294-010	6a	Animal	8/3/06											
K0607294-011	2fda	Animal	8/3/06											
K0607294-012	7	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-013	7a	Animal	8/3/06											
K0607294-014	8	Animal	8/3/06		V			V						
K0607294-015	8a	Animal	8/8/06		V			V						
K0607294-016	9	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-017	9afd	Animal	8/3/06		V			V						
K0607294-018	10	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-019	10a	Animal	8/3/06		V			V						
K0607294-020	12	Animal	8/4/06	V	V	V	V	V	V	V	V		V	V
K0607294-021	13	Animal	8/4/06	V	V	V	V	V	V	V	V		V	V
K0607294-022	14	Animal	8/4/06	V	V	V	V	V	V	V	V		V	V
K0607294-023	NW1 F10-1	Animal	8/5/06											
K0607294-024	NW1	Animal	8/5/06		V(H)	V(H)	V(H)	V(H)	V(H)	V(H)	V(H)		V(H)	V(H)

3045

CAS Samp No.	Client Samp No.	Matrix	Collected	KELSO LIPIDS/ Lipids	KELSO PEST_OC/ 8081A	KELSO SVO_SIM/ 8270C SIM	KELSO HOLD/ Hold	KELSO MISC_VOA_MS _1/ None	SVM PCDD_PCDF/ 8290	Rochester-NY MISC_OUT_1/ None
K0607294-001	1	Animal	8/2/06	V	V	V		V	V	V
K0607294-002	1a	Animal	8/2/06				V(C)			
K0607294-003	2	Animal	8/2/06							
K0607294-004	3	Animal	8/2/06	V	V	V		V	V	V
K0607294-005	4	Animal	8/2/06	V	V	V		V	V	V
K0607294-006	1b	Animal	8/3/06	V	V	V		V	V	V
K0607294-007	5	Animal	8/3/06	V	V	V		V	V	V
K0607294-008	6	Animal	8/3/06	V	V	V		V	V	V
K0607294-009	2fd	Animal	8/3/06							
K0607294-010	6a	Animal	8/3/06				V			
K0607294-011	2fda	Animal	8/3/06				V			
K0607294-012	7	Animal	8/3/06	V	V	V		V	V	V
K0607294-013	7a	Animal	8/3/06				V			
K0607294-014	8	Animal	8/3/06							
K0607294-015	8a	Animal	8/8/06							
K0607294-016	9	Animal	8/3/06	V	V	V		V	V	V
K0607294-017	9afd	Animal	8/3/06							
K0607294-018	10	Animal	8/3/06	V	V	V		V	V	V
K0607294-019	10a	Animal	8/3/06							
K0607294-020	12	Animal	8/4/06	V	V	V		V	V	V
K0607294-021	13	Animal	8/4/06	V	V	V		V	V	V
K0607294-022	14	Animal	8/4/06	V	V	V		V	V	V
K0607294-023	NW1 F10-1	Animal	8/5/06				V			
K0607294-024	NW1	Animal	8/5/06	V(H)	V(H)	V(H)		V(H)	V(H)	V(H)

3048

Service Request Summary

Folder #: **K0607294**
Client Name: Tetra Tech, Incorporated
Project Name: MuliwaiTissue
Project Number: Project 838

Report To: Gary Floyd
Tetra Tech, Incorporated
180 Howard Street, Suite 250
San Francisco, CA 94105
Phone Number: 415-974-1221
Cell Number:
Fax Number:
E-mail: gfloyd@ttsfo.com

Project Chemist: Janice Jaeger
Originating Lab: KELSO
Logged By: AJUELL
Date Received: 08/29 - 09/18/2006
Internal Due Date: 10/02/2006
QAPP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: Y
Report to MDL?: Y
P.O. Number: 838
EDD: BASIC_WQC

164 - 4 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
72 - 16 oz-Glass Jar WM Unpreserved
63 - -N/A N/A
45 - 1 each-Plastic Bag Ziplock Unpreserved
21 - 8 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
10 - 16 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
2 - 2 oz-Glass Jar WM CLEAR Teflon Liner 4-deg C

Location: K-Frosty-15, SMO, SUBBED, K-Frosty-04

				KELSO	KELSO										
				CN_TOT/ 9012A	COMPOSITE/ Composite	FRZ_DRY/ Frz Dry	HG/ 7471A	HOMOGEN/ Homogen	METALS_T/ 200.8	METALS_T/ 6010B	METHYL_HG/ 1630 Modified	MISC_MET1/ None	SE_T/ 7740	SUB_SAMPLE/ Subsample
K0607294-025	NW2	Animal	8/6/06	V	V	V	V	V	V	V	V		V	V
K0607294-026	NW3	Animal	8/6/06	V	V	V	V	V	V	V	V		V	V
K0607294-027	NW4	Animal	8/5/06	V	V	V	V	V	V	V	V		V	V
K0607294-028	NW1fd	Animal	8/5/06					V						V
K0607294-029	NW5	Animal	8/5/06	V	V	V	V	V	V	V	V		V	V
K0607294-030	NW6	Animal	8/19/06	V	V	V	V	V	V	V	V		V	V
K0607294-031	NW7	Animal	8/19/06	V	V	V	V	V	V	V	V		V	V
K0607294-032	NW8	Animal	8/19/06	V	V	V	V	V	V	V	V		V	V
K0607294-033	NW2fd	Animal	8/19/06					V						V
K0607294-034	NW9	Animal	8/19/06	V	V	V	V	V	V	V	V		V	V
K0607294-035	NW10	Animal	8/20/06	V	V	V	V	V	V	V	V		V	V
K0607294-036	NW1 SW3-1	Animal	8/24/06	V	V		V		V	V	V	V	V	V
K0607294-037	NW1 SW1-1	Animal	8/24/06	V	V		V		V	V	V	V	V	V
K0607294-038	NW1 SW1-1fd	Animal	8/9/06											V
K0607294-039	NW1 SW2-1	Animal	8/9/06	V	V	V	V	V	V	V	V		V	V
K0607294-040	Comp 8,8a	Animal	8/3/06	V	V	V	V	V	V	V	V		V	V
K0607294-041	Comp 2,3	Animal	8/2/06		V(C)	V(C)	V(C)	V(C)	V(C)	V(C)	V(C)		V(C)	V(C)
K0607294-042	Comp 9afd and 10a	Animal			V			V						V

Folder Comments:

Samples are re-issued from multiple SR's. -040=Composite samples 14 and 15 to make this sample. REVISED 9/21/06,put sample -024 on hold per client. REVISED 10/4 per Gary Floyd to inlcude Benzene and Acetone by 8260, CN by 9012 and PCP by 8270SIM.

				KELSO	KELSO	KELSO	KELSO	SVM	Rochester-NY
				LIPIDS/ Lipids	PEST_OC/ 8081A	SVO_SIM/ 8270C SIM	HOLD/ Hold	MISC_VOA_MS_1/ None	PCDD_PCDF/ 8290	MISC_OUT_1/ None
K0607294-025	NW2	Animal	8/6/06	V	V	V		V	V	V
K0607294-026	NW3	Animal	8/6/06	V	V	V		V	V	V
K0607294-027	NW4	Animal	8/5/06	V	V	V		V	V	V
K0607294-028	NW1fd	Animal	8/5/06							
K0607294-029	NW5	Animal	8/5/06	V	V	V		V	V	V
K0607294-030	NW6	Animal	8/19/06	V	V	V		V	V	V
K0607294-031	NW7	Animal	8/19/06	V	V	V		V	V	V
K0607294-032	NW8	Animal	8/19/06	V	V	V		V	V	V
K0607294-033	NW2fd	Animal	8/19/06							
K0607294-034	NW9	Animal	8/19/06	V	V	V		V	V	V
K0607294-035	NW10	Animal	8/20/06	V	V	V		V	V	V
K0607294-036	NW1 SW3-1	Animal	8/24/06	V	V	V		V	V	V
K0607294-037	NW1 SW1-1	Animal	8/24/06	V	V	V		V	V	V
K0607294-038	NW1 SW1-1fd	Animal	8/9/06				V			
K0607294-039	NW1 SW2-1	Animal	8/9/06	V	V	V		V	V	V
K0607294-040	Comp 8,8a	Animal	8/3/06	V	V	V		V	V	V
K0607294-041	Comp 2,3	Animal	8/2/06	V(C)	V(C)	V(C)		V(C)	V(C)	V(C)
K0607294-042	Comp 9afd and 10a	Animal								

Service Request Summary

Folder #:	**K0607294**
Client Name:	Tetra Tech, Incorporated
Project Name:	MuliwaiTissue
Project Number:	Project 838
Report To:	Gary Floyd Tetra Tech, Incorporated 180 Howard Street, Suite 250 San Francisco, CA 94105
Phone Number:	415-974-1221
Cell Number:	
Fax Number:	
E-mail:	gfloyd@ttsfo.com

Project Chemist:	Janice Jaeger
Originating Lab:	KELSO
Logged By:	AJUELL
Date Received:	08/29 - 09/18/2006
Internal Due Date:	10/02/2006
QAPP:	LAB QAP
Qualifier Set:	CAS Standard
Formset:	CAS Standard
Merged?:	Y
Report to MDL?:	Y
P.O. Number:	838
EDD:	BASIC_WQC

164 - 4 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
72 - 16 oz-Glass Jar WM Unpreserved
63 - -N/A N/A
45 - 1 each-Plastic Bag Ziplock Unpreserved
21 - 8 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
10 - 16 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
2 - 2 oz-Glass Jar WM CLEAR Teflon Liner 4-deg C

Location: K-Frosty-15, SMO, SUBBED, K-Frosty-04

Test Comments:

Group	Test/Method	Samples	Comments
Metals	METALS_T/200.8	1, 4-8, 12, 16, 18, 20-22, 24-27, 29-32, 34-35, 39-41	Al,Sb,As,Ba,Be,Cd,Co,Cu,Pb,Mn,Ag,Tl,V,Zn
Metals	METALS_T/6010B	1, 4-8, 12, 16, 18, 20-22, 24-27, 29-32, 34-35, 39-41	Cr,Fe
Semivoa GCMS	PCDD_PCDF/8290	1, 4-8, 12, 16, 18, 20-22, 24-27, 29-32, 34-37, 39-41	Analysis to be performed at CAS/Houston
Semivoa GCMS	SVO_SIM/8270C SIM	1, 4-8, 12, 16, 18, 20-22, 24-27, 29-32, 34-37, 39-41	Bis(2-ethylhexyl) phthalate,Di-n-butyl phthalate,Diethyl phthalate,Dimethyl phthalate,Di-n-octyl phthalate,pyrene and PCP
SubLab	MISC_OUT_1/None	1, 5-8, 12, 16, 18, 20-22, 24-27, 29-32, 34-37, 39-41	Perchlorate analysis to be subcontracted to CAS/Rochester
VOA GCMS	MISC_VOA_MS_1/None	1, 4-8, 12, 16, 18, 20-22, 24-27, 29-32, 34-37, 39-41	Ethylbenze,xylenes,Toluene,1,2,4-Trimethylbenzene,Styrene, Benzene, Acetone.

8049

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Project/Client: MuliwaiTissue/Tetra Tech, Incorporated

Work Order: K0607294

Cooler received on ~~08/29/2006~~ 9/21/06 and opened on 9/21/06 1030 by

1.	Were custody seals on outside of cooler?		(Y)	N	9.	Did all bottle labels and tags agree with custody papers?	NA (Y) N
2.	Were seals intact and signature & date correct?	NA	(Y)	N	10.	Were the correct types of bottles used for the tests indicated?	NA (Y) N
3.	Is the shipper's airbill available and filed?		(Y)	N	11.	Were all of the preserved bottles received at the lab with the appropriate pH?	(NA) Y N
4.	COC #				12.	Were VOA vials checked for absence of air bubbles, and if present, noted below?	(NA) Y N
5.	Were custody papers properly filled out (ink, signed, etc.)?	NA	(Y)	N	13.	Did the bottles originate from CAS/K or a branch laboratory?	(Y) N
6.	Type of packing material present				14.	Are CWA Microbiology samples received with >½ the 24 hr. hold time remaining from collection?	(NA) Y N
7.	Did all bottles arrive in good condition (unbroken)?	NA	(Y)	N	15.	Was Cl2/Res negative?	(NA) Y N
8.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	NA	(Y)	N			

Lab Code	Sample Name
K0607294-001	1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

		Expected Conditions			Received Conditions					
Bottle ID	Barcode	HS	pH	Temp	Cooler #	Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-001.03		NA		-				NA		
Test List: 8081A										
K0607294-001.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-001.05		NA		-				NA		
Test List: 8290										
K0607294-001.06		NA		-				NA		
Test List: None										
K0607294-001.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

		Expected Conditions			Received Conditions					
Bottle ID	Barcode	HS	pH	Temp	Cooler #	Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-001.01		NA		-				NA		

3050

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-001	1

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-001.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-001.08		NA		-				NA		

Test List: Subsample

K0607294-002	1a

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-002.02		NA		-				NA		

Test List: Hold

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-002.03				-						

Test List:

K0607294-003	2

3051

Lab Code **Sample Name**
K0607294-003 2

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-003.01		NA		-				NA		

Test List: Composite

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-003.02		NA		-				NA		

Test List: Composite

K0607294-004 3

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.03		NA		-				NA		

Test List: 200.8 6010B 7471A
7740 1630 Modified

K0607294-004.04		NA		-				NA		

Test List: 200.8 6010B 7471A
7740 1630 Modified

K0607294-004.05		NA		-				NA		

Test List: 200.8 6010B 7471A
7740 1630 Modified

K0607294-004.06		NA		-				NA		

Test List: 200.8 6010B 7471A
7740 1630 Modified

K0607294-004.07		NA		-				NA		

Test List: 200.8 6010B 7471A
7740 1630 Modified

K0607294-004.08		NA		-				NA		

Test List: 8270C SIM 8081A Lipids
Frz Dry Homogen 8290
None None

3052

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-004	3

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.18		NA		-						

Test List: 8290

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.17		NA		-						

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.01		NA		-				NA		

Test List: Composite

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.02		NA		-				NA		

Test List: Composite

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.09		NA		-				NA		

Test List: 8270C SIM, 8081A, Lipids, Frz Dry, Homogen, 8290, None

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.10		NA		-				NA		

Test List: 8270C SIM, 8081A, Lipids, Frz Dry, Homogen, 8290, None

3053

Lab Code **Sample Name**
K0607294-004 3

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-004.11		NA		-				NA		
Test List:	8270C SIM	8081A	Lipids							
	Frz Dry	Homogen	8290							
	None									
K0607294-004.12		NA		-				NA		
Test List:	8270C SIM	8081A	Lipids							
	Frz Dry	Homogen	8290							
	None									
K0607294-004.13		NA		-				NA		
Test List:	8270C SIM	8081A	Lipids							
	Frz Dry	Homogen	8290							
	None									
K0607294-004.14		NA		-				NA		
Test List:	8270C SIM	8081A	Lipids							
	Frz Dry	Homogen	8290							
	None									
K0607294-004.15		NA		-				NA		
Test List:	Subsample									
K0607294-004.16		NA		-				NA		
Test List:	None									

K0607294-005 4

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-005.04		NA		-				NA		
Test List:	8081A									
K0607294-005.05		NA		-				NA		
Test List:	8270C SIM	Lipids	None							
K0607294-005.06		NA		-				NA		
Test List:	8290									

3054

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-005	4

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-005.07		NA		-				NA		
Test List: None										
K0607294-005.08		NA		-				NA		
Test List: None										
K0607294-005.10		NA		-						
Test List: None										
K0607294-005.11		NA		-						
Test List: None										
K0607294-005.14		NA		-						
Test List: 8290										
K0607294-005.15		NA		-						
Test List: 8290										

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-005.12		NA		-						
Test List: None										
K0607294-005.13		NA		-						
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-005.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

3055

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-005	4

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-005.02		NA		-				NA		
Test List: Homogen										
K0607294-005.03		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-005.09		NA		-				NA		
Test List: Subsample										

Lab Code	Sample Name
K0607294-006	1b

3056

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-006.03		NA		-				NA		
Test List: 8081A										
K0607294-006.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-006.05		NA		-				NA		
Test List: 8290										
K0607294-006.06		NA		-				NA		
Test List: None										
K0607294-006.07				-				NA		
Test List:										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

Lab Code	Sample Name
K0607294-006	1b

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-006.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	Subsample
	None	None	1630 Modified

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-006.02		NA		-				NA		

Test List: Homogen

Lab Code	Sample Name
K0607294-007	5

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-007.03		NA		-				NA		

Test List: 8081A

K0607294-007.04		NA		-				NA		

Test List: 8270C SIM Lipids None

K0607294-007.05		NA		-				NA		

Test List: 8290

K0607294-007.06		NA		-				NA		

Test List: None

K0607294-007.07				-				NA		

Test List:

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3057

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code **Sample Name**
K0607294-007 5

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-007.01		NA		-				NA		

Test List: 8270C SIM, 200.8, 8081A, 6010B, 7471A, 7740, Lipids, Composite, Frz Dry, Homogen, 8290, None, None, 1630 Modified

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-007.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-007.08		NA		-				NA		

Test List: Subsample

K0607294-008 6

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-008.03		NA		-				NA		

Test List: 8081A

K0607294-008.04		NA		-				NA		

Test List: 8270C SIM Lipids None

K0607294-008.05		NA		-				NA		

Test List: 8290

K0607294-008.06		NA		-				NA		

Test List: None

3058

Lab Code	Sample Name
K0607294-008	6

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-008.07		NA		-				NA		

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-008.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-008.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-008.08		NA		-				NA		

Test List: Subsample

Lab Code	Sample Name
K0607294-009	2fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-009.04		NA		-				NA		

Test List: Subsample

3059

Lab Code **Sample Name**

K0607294-009 2fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-009.05		NA		-				NA		

Test List: Subsample

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-009.01		NA		-				NA		

Test List: Composite Homogen Subsample

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-009.03		NA		-				NA		

Test List: Subsample

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-009.02		NA		-				NA		

Test List: Homogen

K0607294-010 6a

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-010.02		NA		-				NA		

Test List: Hold

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3060

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-010	6a

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-010.03				-						

Test List:

Lab Code	Sample Name
K0607294-011	2fda

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-011.02		NA		-				NA		

Test List: Hold

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-011.03				-						

Test List:

Lab Code	Sample Name
K0607294-012	7

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-012.03		NA		-				NA		

Test List: 8081A

K0607294-012.04		NA		-				NA		

Test List: 8270C SIM Lipids None

K0607294-012.05		NA		-				NA		

Test List: 8290

K0607294-012.06		NA		-				NA		

Test List: None

K0607294-012.07		NA		-				NA		

Test List: None

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Columbia Analytical Services Inc.
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Lab Code	Sample Name
K0607294-012	7

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-012.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-012.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-012.08		NA		-				NA		

Test List: Subsample

Lab Code	Sample Name
K0607294-013	7a

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-013.02		NA		-				NA		

Test List: Hold

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-013.03				-						

Test List:

Columbia Analytical Services Inc.
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Lab Code	Sample Name
K0607294-014	8

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-014.03				-				NA		
Test List:										
K0607294-014.04				-				NA		
Test List:										
K0607294-014.05				-				NA		
Test List:										
K0607294-014.06				-				NA		
Test List:										
K0607294-014.07				-				NA		
Test List:										

2oz-Glass Jar WM CLEAR Teflon Liner(4-deg C)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-014.08				-				NA		
Test List:										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-014.01		NA		-				NA		
Test List: Composite										

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-014.02		NA		-				NA		
Test List: Composite										

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Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-014	8

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-014.09		NA		-				NA		
Test List: Homogen										
K0607294-014.10		NA		-				NA		
Test List: Homogen										
K0607294-014.11		NA		-				NA		
Test List: Homogen										
K0607294-014.12		NA		-				NA		
Test List: Homogen										
K0607294-014.13		NA		-				NA		
Test List: Homogen										
K0607294-014.14		NA		-				NA		
Test List: Homogen										
K0607294-014.15		NA		-				NA		
Test List: Homogen										
K0607294-014.16		NA		-				NA		
Test List: Homogen										
K0607294-014.17		NA		-				NA		
Test List: Homogen										
K0607294-014.18				-				NA		
Test List:										

Lab Code	Sample Name
K0607294-015	8a

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-015.02		NA		-				NA		
Test List: Homogen										
K0607294-015.05		NA		-				NA		
Test List: Composite Homogen										

3064

Lab Code **Sample Name**
K0607294-015 8a

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-015.03				-				NA		
Test List:										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-015.04		NA		-				NA		
Test List: Homogen										

K0607294-016 9

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-016.03		NA		-				NA		
Test List: 8081A										
K0607294-016.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-016.05		NA		-				NA		
Test List: 8290										
K0607294-016.06		NA		-				NA		
Test List: None										
K0607294-016.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-016.01		NA		-				NA		

Lab Code **Sample Name**
K0607294-016 9

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

Test List: 8270C SIM, 200.8, 8081A, 6010B, 7471A, 7740, Lipids, Composite, Frz Dry, Homogen, 8290, None, None, 1630 Modified

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-016.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-016.08		NA		-				NA		

Test List: Subsample

3066

K0607294-017 9afd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-017.08				-						

Test List:

K0607294-017.09				-						

Test List:

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-017.02		NA		-				NA		

Test List: Composite

Lab Code K0607294-017 **Sample Name** 9afd

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-017.05				-				NA		
Test List:										
K0607294-017.07				-				NA		
Test List:										
K0607294-017.10		NA		-						
Test List: Homogen										

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-017.03				-				NA		
Test List:										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-017.04		NA		-				NA		
Test List: Homogen										
K0607294-017.06				-				NA		
Test List:										

K0607294-018 10

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-018.03		NA		-				NA		
Test List: 8081A										
K0607294-018.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								

3067

Lab Code K0607294-018 **Sample Name** 10

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-018.05		NA		-				NA		
Test List: 8290										
K0607294-018.06		NA		-				NA		
Test List: None										
K0607294-018.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-018.01		NA		-				NA		

Test List: 8270C SIM, 200.8, 8081A; 6010B, 7471A, 7740; Lipids, Composite, Frz Dry; Homogen, 8290, None; None, 1630 Modified

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-018.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-018.08		NA		-				NA		
Test List: Subsample										

K0607294-019 10a

Columbia Analytical Services Inc.
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Lab Code	Sample Name
K0607294-019	10a

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-019.02		NA		-				NA		
Test List: Composite										

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-019.05		NA		-						
Test List: Homogen										

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-019.03				-				NA		
Test List:										

3069

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-019.04		NA		-				NA		
Test List: Homogen										

Lab Code	Sample Name
K0607294-020	12

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-020.03		NA		-				NA		
Test List: 8081A										
K0607294-020.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-020.05		NA		-				NA		
Test List: 8290										

Lab Code **Sample Name**
K0607294-020 12

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-020.06		NA		-				NA		
Test List: None										
K0607294-020.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-020.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-020.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-020.08		NA		-				NA		
Test List: Subsample										

K0607294-021 13

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

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Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-021	13

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-021.03		NA		-				NA		
Test List: 8081A										
K0607294-021.04		NA		-				NA		
Test List: 8270C SIM	Lipids	None								
K0607294-021.05		NA		-				NA		
Test List: 8290										
K0607294-021.06		NA		-				NA		
Test List: None										
K0607294-021.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-021.01		NA		-				NA		

Test List:			
8270C SIM	200.8	8081A	
6010B	7471A	7740	
Lipids	Composite	Frz Dry	
Homogen	8290	None	
None	1630 Modified		

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-021.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3071

Lab Code	Sample Name
K0607294-021	13

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-021.08		NA		-				NA		

Test List: Subsample

K0607294-022 14

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-022.03		NA		-				NA		

Test List: 8081A

K0607294-022.04		NA		-				NA		

Test List: 8270C SIM Lipids None

K0607294-022.05		NA		-				NA		

Test List: 8290

K0607294-022.06		NA		-				NA		

Test List: None

K0607294-022.07		NA		-				NA		

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-022.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

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Columbia Analytical Services Inc.
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Lab Code	Sample Name
K0607294-022	14

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-022.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-022.08		NA		-				NA		

Test List: Subsample

Lab Code	Sample Name
K0607294-023	NW1 F10-1

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-023.02		NA		-				NA		

Test List: Hold

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-023.03				-						

Test List:

Lab Code	Sample Name
K0607294-024	NW1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-024.04		NA		-				NA		

Test List: 8081A

K0607294-024.05		NA		-				NA		

Test List: 8270C SIM Lipids None

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Columbia Analytical Services Inc.
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Lab Code	Sample Name
K0607294-024	NW1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-024.06		NA		-				NA		
Test List: 8290										
K0607294-024.07		NA		-				NA		
Test List: None										
K0607294-024.08		NA		-				NA		
Test List: None										
K0607294-024.09		NA		-				NA		
Test List: Homogen Subsample										
K0607294-024.12		NA		-						
Test List: 8290										
K0607294-024.13		NA		-						
Test List: 8290										

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-024.10		NA		-						
Test List: None										
K0607294-024.11		NA		-						
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-024.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

3074

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-024	NW1

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-024.02		NA		-				NA		
Test List: Homogen										
K0607294-024.03		NA		-				NA		
Test List: Homogen										

Lab Code	Sample Name
K0607294-025	NW2

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-025.03		NA		-				NA		
Test List: 8081A										
K0607294-025.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-025.05		NA		-				NA		
Test List: 8290										
K0607294-025.06		NA		-				NA		
Test List: None										
K0607294-025.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-025.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

3075

Lab Code	Sample Name
K0607294-025	NW2

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-025.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-025.08		NA		-				NA		
Test List: Subsample										

Lab Code	Sample Name
K0607294-026	NW3

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-026.03		NA		-				NA		
Test List: 8081A										
K0607294-026.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-026.05		NA		-				NA		
Test List: 8290										
K0607294-026.06		NA		-				NA		
Test List: None										
K0607294-026.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-026.01		NA		-				NA		

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Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code **Sample Name**
K0607294-026 NW3

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

Test List: 8270C SIM 200.8 8081A
6010B 7471A 7740
Lipids Composite Frz Dry
Homogen 8290 None
None 1630 Modified

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-026.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-026.08		NA		-				NA		

Test List: Subsample

K0607294-027 NW4

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-027.05		NA		-						

Test List: 8081A

K0607294-027.06		NA		-						

Test List: 8270C SIM

K0607294-027.07		NA		-						

Test List: 8290 None

K0607294-027.08		NA		-						

Test List: None

3077

Lab Code K0607294-027 **Sample Name** NW4

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-027.09		NA		-						

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-027.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-027.02		NA		-				NA		

Test List: Homogen

K0607294-027.03		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-027.04		NA		-				NA		

Test List: Subsample

K0607294-028 NW1fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3078

Lab Code **Sample Name**
K0607294-028 NW1fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-028.05		NA		-				NA		
Test List: Subsample										
K0607294-028.06		NA		-				NA		
Test List: Subsample										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-028.01		NA		-				NA		
Test List: Homogen Subsample										

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-028.04		NA		-				NA		
Test List: Subsample										

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-028.02		NA		-				NA		
Test List: Homogen										
K0607294-028.03		NA		-				NA		
Test List: Homogen										
K0607294-028.07		NA		-						
Test List: Subsample										

K0607294-029 NW5

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3079

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Lab Code	Sample Name
K0607294-029	NW5

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-029.03		NA		-				NA		
Test List: 8081A										
K0607294-029.04		NA		-				NA		
Test List: 8270C SIM	Lipids	None								
K0607294-029.05		NA		-				NA		
Test List: 8290										
K0607294-029.06		NA		-				NA		
Test List: None										
K0607294-029.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-029.01		NA		-				NA		

Test List:			
8270C SIM	200.8	8081A	
6010B	7471A	7740	
Lipids	Composite	Frz Dry	
Homogen	8290	None	
None	1630 Modified		

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-029.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3080

Lab Code	Sample Name
K0607294-029	NW5

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-029.08		NA		-				NA		

Test List: Subsample

Lab Code	Sample Name
K0607294-030	NW6

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-030.03		NA		-				NA		

Test List: 8081A

K0607294-030.04		NA		-				NA		

Test List: 8270C SIM Lipids None

K0607294-030.05		NA		-				NA		

Test List: 8290

K0607294-030.06		NA		-				NA		

Test List: None

K0607294-030.07		NA		-				NA		

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-030.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3081

Columbia Analytical Services Inc.
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Lab Code	Sample Name
K0607294-030	NW6

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-030.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-030.08		NA		-				NA		
Test List: Subsample										

Lab Code	Sample Name
K0607294-031	NW7

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-031.03		NA		-				NA		
Test List: 8081A										
K0607294-031.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-031.05		NA		-				NA		
Test List: 8290										
K0607294-031.06		NA		-				NA		
Test List: None										
K0607294-031.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-031.01		NA		-				NA		

3082

Lab Code **Sample Name**
K0607294-031 NW7

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

Test List: 8270C SIM 200.8 8081A
6010B 7471A 7740
Lipids Composite Frz Dry
Homogen 8290 None
None 1630 Modified

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-031.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-031.08		NA		-				NA		

Test List: Subsample

K0607294-032 NW8

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-032.03		NA		-				NA		

Test List: 8081A

K0607294-032.04		NA		-				NA		

Test List: 8270C SIM Lipids None

K0607294-032.05		NA		-				NA		

Test List: 8290

K0607294-032.06		NA		-				NA		

Test List: None

3083

Lab Code **Sample Name**
K0607294-032 NW8

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-032.07		NA		-				NA		

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-032.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-032.02		NA		-				NA		

Test List: Homogen

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-032.08		NA		-				NA		

Test List: Subsample

K0607294-033 NW2fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-033.04		NA		-				NA		

Test List: Subsample

3084

Lab Code **Sample Name**
K0607294-033 NW2fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-033.05		NA		-				NA		
Test List: Subsample										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-033.01		NA		-				NA		
Test List: Homogen Subsample										

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-033.03		NA		-				NA		
Test List: Subsample										

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-033.02		NA		-				NA		
Test List: Homogen										

K0607294-034 NW9

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-034.03		NA		-				NA		
Test List: 8081A										
K0607294-034.04		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-034.05		NA		-				NA		
Test List: 8290										

Lab Code **Sample Name**
K0607294-034 NW9

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-034.06		NA		-				NA		
Test List: None										
K0607294-034.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-034.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Composite	Frz Dry
	Homogen	8290	None
	None	1630 Modified	

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-034.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-034.08		NA		-				NA		
Test List: Subsample										

K0607294-035 NW10

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

3086

Lab Code	Sample Name
K0607294-035	NW10

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-035.03		NA		-				NA		
Test List: 8081A										
K0607294-035.04		NA		-				NA		
Test List: 8270C SIM	Lipids	None								
K0607294-035.05		NA		-				NA		
Test List: 8290										
K0607294-035.06		NA		-				NA		
Test List: None										
K0607294-035.07		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-035.01		NA		-				NA		

Test List:			
8270C SIM	200.8	8081A	
6010B	7471A	7740	
Lipids	Composite	Frz Dry	
Homogen	8290	None	
None	1630 Modified		

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-035.02		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action

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Lab Code	Sample Name
K0607294-035	NW10

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-035.08		NA		-				NA		
Test List: Subsample										

Lab Code	Sample Name
K0607294-036	NW1 SW3-1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-036.03				-				NA		
Test List:										
K0607294-036.04				-				NA		
Test List:										
K0607294-036.05		NA		-				NA		
Test List: 8290										
K0607294-036.06		NA		-				NA		
Test List: None										
K0607294-036.07		NA		-				NA		
Test List: None										
K0607294-036.08		NA		-				NA		
Test List: 8270C SIM	7740	1630 Modified								
K0607294-036.09		NA		-				NA		
Test List: 8270C SIM	7740	1630 Modified								
K0607294-036.10		NA		-				NA		
Test List: 8270C SIM	7740	1630 Modified								
K0607294-036.12		NA		-				NA		
Test List: 8081A										
K0607294-036.14		NA		-				NA		
Test List: Composite										

3088

Lab Code	Sample Name
K0607294-036	NW1 SW3-1

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-036.01		NA		-				NA		
Test List:	200.8	6010B	7471A							
	8290	None								

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-036.02		NA		-				NA		
Test List:	200.8									

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-036.11		NA		-				NA		
Test List:	Subsample									
K0607294-036.13		NA		-				NA		
Test List:	None									
K0607294-036.15		NA		-				NA		
Test List:	Lipids									
K0607294-036.16		NA		-				NA		
Test List:	None									

Lab Code	Sample Name
K0607294-037	NW1 SW1-1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.04				-				NA		
Test List:										
K0607294-037.05				-				NA		
Test List:										

3089

Lab Code	Sample Name
K0607294-037	NW1 SW1-1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.06		NA		-				NA		
Test List: 8290										
K0607294-037.07		NA		-				NA		
Test List: None										
K0607294-037.08		NA		-				NA		
Test List: None										
K0607294-037.09		NA		-				NA		
Test List: 8270C SIM 7740			1630 Modified							
K0607294-037.10		NA		-				NA		
Test List: 8270C SIM 7740			1630 Modified							
K0607294-037.11		NA		-				NA		
Test List: 8270C SIM 7740			1630 Modified							
K0607294-037.13		NA		-				NA		
Test List: 8081A										
K0607294-037.15		NA		-				NA		
Test List: Composite										
K0607294-037.18		NA		-						
Test List: None										
K0607294-037.19		NA		-						
Test List: None										
K0607294-037.22		NA		-						
Test List: 8290										
K0607294-037.23		NA		-						
Test List: 8290										

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.20		NA		-						
Test List: None										

3090

Lab Code	Sample Name
K0607294-037	NW1 SW1-1

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.21		NA		-						

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.01		NA		-				NA		

Test List: 200.8 6010B 7471A
8290 None

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.02		NA		-				NA		

Test List: 200.8

K0607294-037.03		NA		-				NA		

Test List: 200.8

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-037.12		NA		-				NA		

Test List: Subsample

K0607294-037.14		NA		-				NA		

Test List: None

K0607294-037.16		NA		-				NA		

Test List: Lipids

K0607294-037.17		NA		-				NA		

Test List: None

K0607294-038	NW1 SW1-1fd

3091

Lab Code	Sample Name
K0607294-038	NW1 SW1-1fd

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-038.05		NA		-				NA		
Test List: Subsample										
K0607294-038.06		NA		-				NA		
Test List: Subsample										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-038.01		NA		-				NA		
Test List: Subsample										

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-038.04		NA		-				NA		
Test List: Subsample										

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-038.02				-				NA		
Test List:										
K0607294-038.03				-				NA		
Test List:										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-038.07		NA		-				NA		
Test List: Hold										

K0607294-039 NW1 SW2-1

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Lab Code	Sample Name
K0607294-039	NW1 SW2-1

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-039.04		NA		-				NA		
Test List: 8081A										
K0607294-039.05		NA		-				NA		
Test List: 8270C SIM Lipids		None								
K0607294-039.06		NA		-				NA		
Test List: 8290										
K0607294-039.07		NA		-				NA		
Test List: None										
K0607294-039.08		NA		-				NA		
Test List: None										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-039.01		NA		-				NA		

Test List:			
8270C SIM	200.8	8081A	
6010B	7471A	7740	
Lipids	Composite	Frz Dry	
Homogen	8290	None	
None	1630 Modified		

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-039.02		NA		-				NA		
Test List: Homogen										
K0607294-039.03		NA		-				NA		
Test List: Homogen										

3093

Lab Code	Sample Name
K0607294-039	NW1 SW2-1

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-039.09		NA		-				NA		

Test List: Subsample

K0607294-040 Comp 8,8a

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-040.04		NA		-						

Test List: 8081A

K0607294-040.05		NA		-						

Test List: 8270C SIM Lipids None

K0607294-040.06		NA		-						

Test List: 8290

K0607294-040.07		NA		-						

Test List: None

K0607294-040.08		NA		-				NA		

Test List: None

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-040.01		NA		-				NA		

Test List:			
	8270C SIM	200.8	8081A
	6010B	7471A	7740
	Lipids	Frz Dry	Homogen
	8290	None	None
	1630 Modified		

K0607294-040.09		NA		-				NA		

Test List: Composite

3094

Lab Code K0607294-040 **Sample Name** Comp 8,8a

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-040.02		NA		-				NA		
Test List: Homogen										
K0607294-040.03		NA		-				NA		
Test List: Homogen										

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-040.10		NA		-				NA		
Test List: Subsample										

Lab Code K0607294-041 **Sample Name** Comp 2,3

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-041.04		NA		-						
Test List: 8081A										
K0607294-041.05		NA		-						
Test List: 8270C SIM Lipids		None								
K0607294-041.06		NA		-						
Test List: 8290										
K0607294-041.07		NA		-						
Test List: None										

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-041.08				-				NA		
Test List:										

3095

63

Lab Code	Sample Name
K0607294-041	Comp 2,3

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-041.01		NA		-				NA		
Test List:	8270C SIM	200.8	8081A							
	6010B	7471A	7740							
	Lipids	Frz Dry	Homogen							
	8290	None	None							
	1630 Modified									
K0607294-041.09		NA		-				NA		
Test List:	Composite									

16oz-Glass Jar WM (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-041.02		NA		-				NA		
Test List:	Homogen									
K0607294-041.03		NA		-				NA		
Test List:	Homogen									

N/A (N/A)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-041.10		NA		-				NA		
Test List:	Subsample									

K0607294-042	Comp 9afd and 10a

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Rec Temp	pH Check	Rec HS	Seal Intact?	Corrective Action
K0607294-042.01				-				NA		
Test List:										
K0607294-042.02				-				NA		
Test List:										

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Lab Code	Sample Name
K0607294-042	Comp 9afd and 10a

4oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-042.03				-				NA		
Test List:										
K0607294-042.04				-				NA		
Test List:										
K0607294-042.05				-				NA		
Test List:										

8oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-042.20		NA		-						
Test List: Subsample										
K0607294-042.21		NA		-						
Test List: Subsample										

2oz-Glass Jar WM CLEAR Teflon Liner(4-deg C)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-042.06				-				NA		
Test List:										

1each-Plastic Bag (Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action
K0607294-042.07		NA		-				NA		
Test List: Composite										

16oz-Glass Jar WM CLEAR Teflon Liner(Unpreserved)

Bottle ID	Barcode	Expected Conditions HS	Expected Conditions pH	Expected Conditions Temp	Cooler #	Received Conditions Rec Temp	Received Conditions pH Check	Received Conditions Rec HS	Seal Intact?	Corrective Action

3097