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Hazardous Waste Bureau

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NATIONAL LABORATORY
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Date: OCT 24 2014
Refer To: ADESH-14-102

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Submittal of the Letter Report for the Results of Analytical Sampling for Volatile Organic Compounds at Material Disposal Area B

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Letter Report for the Results of Analytical Sampling for Volatile Organic Compounds at Material Disposal Area B.

If you have any questions, please contact Mark Thacker at (505) 665-5342 (mthacker@lanl.gov) or Woody Woodworth at (505) 665-5820 (lance.woodworth@nnsa.doe.gov).

Sincerely,

Michael T. Brandt, DrPH, CIH, Associate Director
Environment, Safety, and Health
Los Alamos National Laboratory

Sincerely,

Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Field Office

MB/PM/DM/MT:sm

Enclosures: Two hard copies with electronic files – Letter Report for the Results of Analytical Sampling for Volatile Organic Compounds at Material Disposal Area B (LA-UR-14-27862)

Cy: (w/enc.)
Woody Woodworth, DOE-NA-LA, MS A316
Mark Thacker, EP-CAP, MS M992
Public Reading Room (EPRR)
RPF (electronic copy)

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Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
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Dave McInroy, EP-CAP (date-stamped letter emailed)
Randy Erickson, ADEP (date-stamped letter emailed)
Michael Brandt, ADESH (date-stamped letter emailed)

LETTER REPORT FOR THE RESULTS OF ANALYTICAL SAMPLING FOR VOLATILE ORGANIC COMPOUNDS AT MATERIAL DISPOSAL AREA B

INTRODUCTION

This letter report provides the analytical results for samples collected at Material Disposal Area (MDA) B at Technical Area 21 (TA-21) between September 9 and 12, 2014. In its approval with modifications of the investigation/remediation report for MDA B, dated July 8, 2014, the New Mexico Environment Department (NMED) directed Los Alamos National Laboratory (LANL or the Laboratory) to submit a work plan proposing sampling and analysis appropriate for demonstrating that volatile organic compounds (VOCs) are below residential soil screening levels at the site (LANL 2013, 243675; NMED 2014, 525003).

DRILLING AND SAMPLING

Twenty-two boreholes were drilled to collect undisturbed samples for VOC analyses in accordance with the NMED-approved work plan (LANL 2014, 260201; NMED 2014, 525180). Figure 1 shows the location of the boreholes, and Figures 2 through 23 are the borehole logs. At each borehole, a sample was collected below the clean fill/tuff (Qbt 3) interface of the former excavated trenches at depths between 6 and 12 in.

The boreholes were drilled using a hollow-stem auger with a split-spoon sampler lined with brass sleeves. The sleeve representing the target sample depths was capped on each end and retained for VOC analysis (U.S. Environmental Protection Agency Method 8260B). Per the approved work plan, the brass sleeve ends were covered with a sheet of Teflon tape, capped, and duct-taped before they were submitted to the Laboratory's Sample Management Office.

RESULTS

Table 1 shows the samples collected and field-screening results. All the analytical data are provided in Attachment 1 on CD submitted with this letter report.

VOCs were not detected in any of the samples collected in 2014. Therefore, the Laboratory has demonstrated that VOC concentrations from samples collected at the site are below residential soil screening levels (SSLs).

REFERENCES

The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID. This information is also included in text citations. ER IDs are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

LANL (Los Alamos National Laboratory), June 2013. “Investigation/Remediation Report for Material Disposal Area B, Solid Waste Management Unit 21-015, Revision 2,” Los Alamos National Laboratory document LA-UR-13-24556, Los Alamos, New Mexico. (LANL 2013, 243675)

LANL (Los Alamos National Laboratory), August 2014. “Drilling Work Plan for Material Disposal Area B Volatile Organic Compound Sampling,” Los Alamos National Laboratory document LA-UR-14-26305, Los Alamos, New Mexico. (LANL 2014, 260201)

NMED (New Mexico Environment Department), July 8, 2014. “Investigation/Remediation Report for Material Disposal Area B, Solid Waste Management Unit 21-015, Revision 2, Approval with Modifications,” New Mexico Environment Department letter to P. Maggiore (DOE-NA-LA) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2014, 525003)

NMED (New Mexico Environment Department), September 16, 2014. “Approval, Drilling Work Plan for Material Disposal Area B Volatile Organic Compound Sampling,” New Mexico Environment Department letter to P. Maggiore (DOE-NA-LA) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2014, 525180)

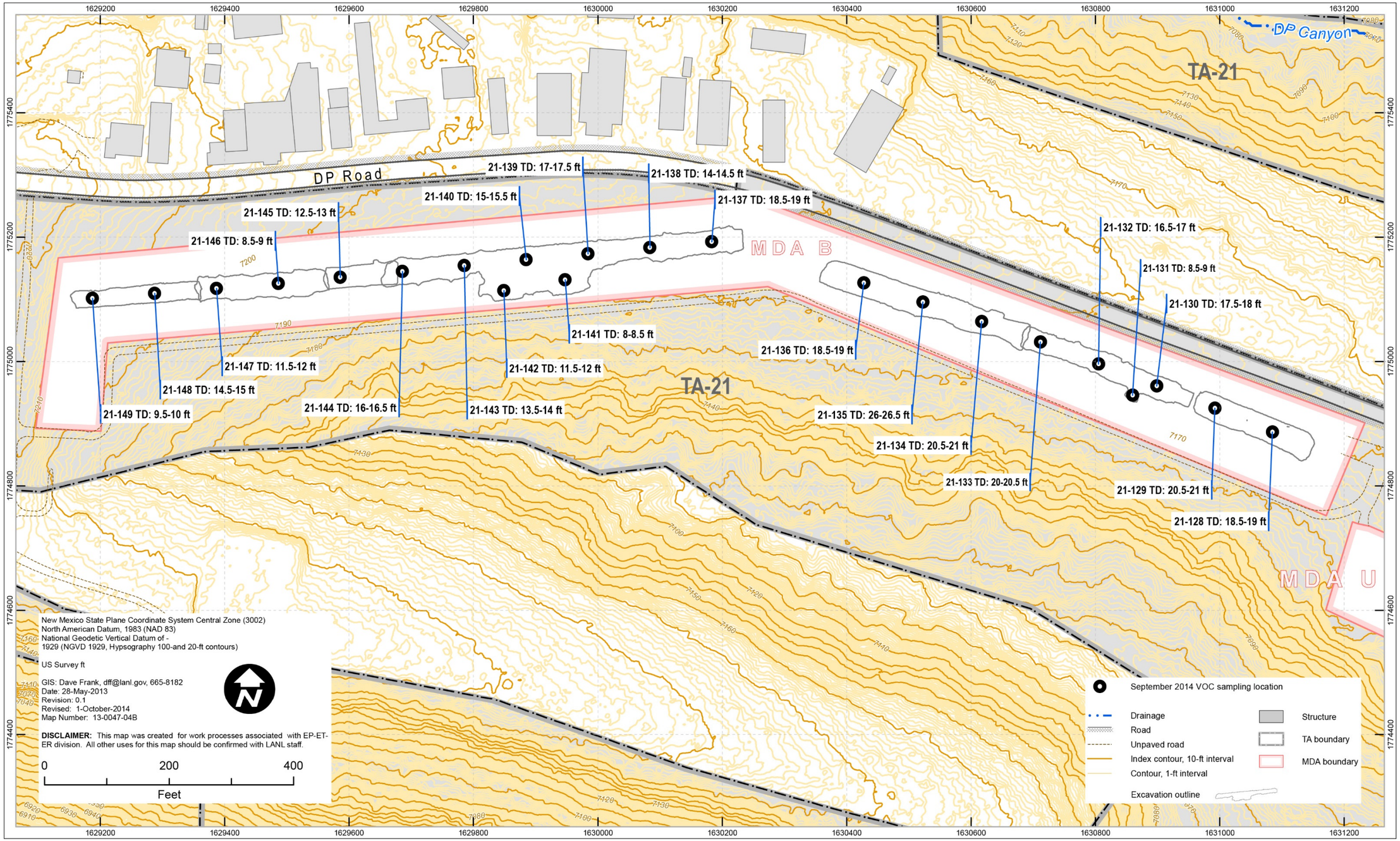

Figure 1 Borehole locations at MDA B

Borehole ID: 21-128	TA: 21	Drill Depth: 19 ft		Total Pages: 1 of 1
Drillers: T. Rose and D. Toney		Date: 9/09/14		Background Radiological Screening
Drilling Company: Precision		Equipment: CME-75		α: 34 dpm, β/γ: 1484 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel				Logged By: A. Stocker, A. Tosh and S. Muggleton

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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11.5						
12						
12.5						
13						
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14						
14.5						
15						
15.5						
16						
16.5						
17						
17.5				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 17.5 ft bgs
18				**Bandelier Tuff:**		
18.5	100%	PID= 0.9	MD21-14-86033	AFT: Gray to light purple, moderately welded,		Sample interval 18.5–19 ft bgs
19		α= 21		crystal-rich, minor lithics and pumice-poor.		
19.5		β/γ= 1941				
20						
20.5						
21						
21.5						
22						

Figure 2 Borehole log for location 21-128

Borehole ID: 21-129	TA: 21	Drill Depth: 21 ft	Total Pages: 1 of 1
Drillers: T. Rose and D. Toney		Date: 9/09/14	Background Radiological Screening
Drilling Company: Precision	Equipment: CME-75		α: 34 dpm / β/γ: 1484 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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13.5						
14						
14.5						
15						
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
20				**Unit 3 of the Tschirege Member of the Bandelier Tuff:**	Qbt 3	Tuff contact at 20 ft bgs
20.5	100%	PID= 0.0	MD21-14-86034	AFT: Gray to light purple, moderately well-welded, crystal-rich, minor lithics and pumice-poor. Clay-filled, 1 cm thick, oxidized vertical fracture present.		Sample interval 20.5–21 ft bgs
21		α= 26				
21.5		β/γ= 1984				
22						
22.5						

Figure 3 Borehole log for location 21-129

Borehole ID: 21-130	TA: 21	Drill Depth: 18 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/09/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 34 dpm	β/γ: 1484 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
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10.5						
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11.5						
12						
12.5						
13						
13.5						
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14.5						
15						
15.5						
16						
16.5						
17				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 17 ft bgs
17.5	100%	PID= 0.7	MD21-14-86035	**Bandelier Tuff:**		Sample interval 17.5–18 ft bgs
18		α= 47		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		**Note:** Field Duplicate MD21-14-86055 collected at this location
18.5		β/γ= 2170				
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 4 Borehole log for location 21-130

Borehole ID: 21-131	TA: 21	Drill Depth: 9 ft	Total Pages: 1 of 1
Drillers: T. Rose and D. Toney		Date: 9/10/14	Background Radiological Screening
Drilling Company: Precision	Equipment: CME-75		α: 29 dpm / β/γ: 1598 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 8 ft bgs
8.5	100%	PID= 0.1	MD21-14-86036	**Bandelier Tuff:**		Sample interval 8.5–9 ft bgs
9		α= 52		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor. Minor reddish brown oxidized staining and clay-filled vein present		
9.5		β/γ= 2030				
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
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17.5						
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18.5						
19						
19.5						
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20.5						
21						
21.5						
22						
22.5						

Figure 5 Borehole log for location 21-131

Borehole ID: 21-132	TA: 21	Drill Depth: 17 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/10/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 29 dpm	β/γ: 1598 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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8.5						
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9.5						
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14						
14.5						
15						
15.5						
16				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 16 ft bgs
16.5	100%	PID= 0.1	MD21-14-86037	**Bandelier Tuff:**		Sample interval 16.5–17 ft bgs
17		α= 21		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
17.5		β/γ= 2100				
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 6 Borehole log for location 21-132

Borehole ID: 21-133	TA: 21	Drill Depth: 20.5ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/10/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 29 dpm	β/γ: 1598 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
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19						
19.5				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 19.5 ft bgs
20	100%	PID= 0.0	MD21-14-86038	**Bandelier Tuff:**		Sample interval 20–20.5 ft bgs
20.5		α= 21		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
21		β/γ= 1920				
21.5						
22						
22.5						

Figure 7 Borehole log for location 21-133

Borehole ID: 21-134	TA: 21	Drill Depth: 21 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/10/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 29 dpm	β/γ: 1598 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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8.5						
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9.5						
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10.5						
11						
11.5						
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12.5						
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13.5						
14						
14.5						
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15.5						
16						
16.5						
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17.5						
18						
18.5						
19						
19.5						
20				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 20 ft bgs
20.5	100%	PID= 0.0	MD21-14-86039	**Bandelier Tuff:**		Sample interval 20.5–21 ft bgs
21		α= 57		AFT: Gray to light purple, poorly welded, crystal-rich, minor mafics and pumice-poor.		
21.5		β/γ= 2210				
22						
22.5						

Figure 8 Borehole log for location 21-134

Borehole ID: 21-135	TA: 21	Drill Depth: 26.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/10/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 29 dpm	β/γ: 1598 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
Break in Scale						
15					Fill	
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						
23						
23.5						
24						
24.5						
25						
25.5				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 25.5 ft bgs
26	100%	PID= 0.0	MD21-14-86040	**Bandelier Tuff:**		Sample interval 26–26.5 ft bgs
26.5		α= 57		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
27		β/γ= 2110				
27.5						
28						
28.5						
29						
29.5						
30						
30.5						
31						
31.5						

Figure 9 Borehole log for location 21-135

Borehole ID: 21-136	TA: 21	Drill Depth: 19 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
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16.5						
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17.5						
18				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 18 ft bgs
18.5	100%	PID= 0.0	MD21-14-86041	**Bandelier Tuff:**		Sample interval 18.5–19 ft bgs
19		α= 26		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
19.5		β/γ= 1997				
20						
20.5						
21						
21.5						
22						
22.5						

Figure 10 Borehole log for location 21-136

Borehole ID: 21-137	TA: 21	Drill Depth: 19 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
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18				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 18 ft bgs
18.5	100%	PID= 0.0	MD21-14-86042	**Bandelier Tuff:**		Sample interval 18.5–19 ft bgs
19		α= 26		AFT: Gray to light purple, poorly to moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
19.5		β/γ= 2020				
20						
20.5						
21						
21.5						
22						
22.5						

Figure 11 Borehole log for location 21-137

Borehole ID: 21-138	TA: 21	Drill Depth: 14.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 13.5 ft bgs
14	100%	PID= 0.1	MD21-14-86043	**Bandelier Tuff:**		Sample interval 14–14.5 ft bgs
14.5		α= 42		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor. Weathered fractures present.		
15		β/γ= 2210				
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 12 Borehole log for location 21-138

Borehole ID: 21-139	TA: 21	Drill Depth: 17.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 16.5 ft bgs
17	100%	PID= 0.0	MD21-14-86044	**Bandelier Tuff:**		Sample interval 17–17.5 ft bgs
17.5		α= 42		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
18		β/γ= 2240				
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 13 Borehole log for location 21-139

Borehole ID: 21-140	TA: 21	Drill Depth: 15.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 14 ft bgs
14.5				**Bandelier Tuff:**		
15	100%	PID= 0.0	MD21-14-86045	AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		Sample interval 15–15.5 ft bgs
15.5		α= 47				
16		β/γ= 2770				
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 14 Borehole log for location 21-140

Borehole ID: 21-141	TA: 21	Drill Depth: 8.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 7 ft bgs
7.5				**Bandelier Tuff:**		
8	100%	PID= 0.0	MD21-14-86046	AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		Sample interval 8–8.5 ft bgs
8.5		α= 73				
9		β/γ= 2390				
9.5						
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
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17.5						
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18.5						
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19.5						
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21.5						
22						
22.5						

Figure 15 Borehole log for location 21-141

Borehole ID: 21-142	TA: 21	Drill Depth: 12.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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8.5						
9						
9.5						
10						
10.5						
11				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 11 ft bgs
11.5	100%	PID= 0.0	MD21-14-86047	**Bandelier Tuff:**		Sample interval 11.5–12 ft bgs
12		α= 21		AFT: Gray to light purple, poorly welded, crystal-rich, minor mafics and pumice-poor.		
12.5		β/γ= 2670				
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 16 Borehole log for location 21-142

Borehole ID: 21-143	TA: 21	Drill Depth: 14 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/11/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 21 dpm	β/γ: 1529 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
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9.5						
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10.5						
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11.5						
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12.5						
13				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 13 ft bgs
13.5	100%	PID= 0.0	MD21-14-86048	**Bandelier Tuff:**		Sample interval 13.5–14 ft bgs
14		α= 121		AFT: Gray to light purple, very well-welded, crystal-rich, minor mafics and pumice-poor.		
14.5		β/γ= 2140				
15						
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
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20.5						
21						
21.5						
22						
22.5						

Figure 17 Borehole log for location 21-143

Borehole ID: 21-144	TA: 21	Drill Depth: 16.5 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/12/14	Background Radiological Screening	
Drilling Company: Precision		Equipment: CME-75	α: 22 dpm	β/γ: 1481 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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8.5						
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9.5						
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10.5						
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11.5						
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12.5						
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13.5						
14						
14.5						
15						
15.5				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 15.5 ft bgs
16	100%	PID= 0.0	MD21-14-86049	**Bandelier Tuff:**		Sample interval 16–16.5 ft bgs
16.5		α= 31		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
17		β/γ= 2230				
17.5						
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 18 Borehole log for location 21-144

Borehole ID: 21-145	TA: 21	Drill Depth: 13 ft	Total Pages: 1 of 1
Drillers: T. Rose and D. Toney		Date: 9/12/14	Background Radiological Screening
Drilling Company: Precision	Equipment: CME-75		α: 22 dpm / β/γ: 1481 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 12 ft bgs
12.5	100%	PID= 0.0	MD21-14-86050	**Bandelier Tuff:**		Sample interval 12.5–13 ft bgs
13		α= 47		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor. Moderate oxidized staining present.		
13.5		β/γ= 2010				
14						
14.5						
15						
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
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20.5						
21						
21.5						
22						
22.5						

Figure 19 Borehole log for location 21-145

Borehole ID: 21-146	TA: 21	Drill Depth: 9 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/12/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 22 dpm	β/γ: 1481 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 8 ft bgs
8.5	100%	PID= 0.0	MD21-14-86051	**Bandelier Tuff:**		Sample interval 8.5–9 ft bgs
9		α= 274		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		
9.5		β/γ= 2430				
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
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17.5						
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18.5						
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19.5						
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21.5						
22						
22.5						

Figure 20 Borehole log for location 21-146

Borehole ID: 21-147	TA: 21	Drill Depth: 12 ft	Total Pages: 1 of 1
Drillers: T. Rose and D. Toney		Date: 9/12/14	Background Radiological Screening
Drilling Company: Precision		Equipment: CME-75	α: 22 dpm / β/γ: 1481 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
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8.5						
9						
9.5						
10						
10.5						
11				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 11 ft bgs
11.5	100%	PID= 0.0	MD21-14-86052	**Bandelier Tuff:**		Sample interval 11.5–12 ft bgs
12		α= 31		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor. Moderate oxidized staining present.		
12.5		β/γ= 2150				
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
17						
17.5						
18						
18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 21 Borehole log for location 21-147

Borehole ID: 21-148	TA: 21	Drill Depth: 15 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/12/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 22 dpm	β/γ: 1481 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
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9.5						
10						
10.5						
11						
11.5						
12						
12.5						
13						
13.5						
14				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 14 ft bgs
14.5	100%	PID= 0.0	MD21-14-86053	**Bandelier Tuff:**		Sample interval 14.5–15 ft bgs
15		α= 68		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor. Minor oxidized staining present.		
15.5		β/γ= 2210				
16						
16.5						
17						
17.5						
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18.5						
19						
19.5						
20						
20.5						
21						
21.5						
22						
22.5						

Figure 22 Borehole log for location 21-148

Borehole ID: 21-149	TA: 21	Drill Depth: 10 ft	Total Pages: 1 of 1	
Drillers: T. Rose and D. Toney		Date: 9/12/14	Background Radiological Screening	
Drilling Company: Precision	Equipment: CME-75		α: 22 dpm	β/γ: 1481 dpm
Sampling Equipment: 2.5" ID 2.5' Length Brass Sleeve Lined Split Core-Barrel			Logged By: A. Stocker, A. Tosh and S. Muggleton	

DEPTH (ft bgs)	RECOVERY (%)	FIELD SCREENING RESULTS: PID (ppm)/gross-alpha, -beta, -gamma (dpm)	SAMPLE ID	LITHOLOGICAL DESCRIPTION	LITHOLOGICAL UNIT	NOTES
0				**Construction Fill:**	Fill	
0.5				Fill: Unconsolidated silty pebble gravel with fine to coarse sand, detritus of mixed volcanic (dacite, black-orange vitrophyre) and exotic quartzite and granite (indicating base-coarse gravel)		
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
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6.5						
7						
7.5						
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8.5						
9				**Unit 3 of the Tschirege Member of the**	Qbt 3	Tuff contact at 9 ft bgs
9.5	100%	PID= 0.0	MD21-14-86054	**Bandelier Tuff:**		Sample interval 9.5–10 ft bgs
10		α= 68		AFT: Gray to light purple, moderately well-welded, crystal-rich, minor mafics and pumice-poor.		**Note:** Field Duplicate MD21-14-86056 collected at this location
10.5		β/γ= 2160				
11						
11.5						
12						
12.5						
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
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17.5						
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21.5						
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22.5						

Figure 23 Borehole log for location 21-149

Table 1
Samples Collected at MDA B during September 2014 and Corresponding Field-Screening Results

Field Sample ID	Location ID	Sample Depth (ft)	Media	Purpose	Collection Date	Fill/Tuff Contact (ft)	Alpha Field Screening Background (dpm[a])	Alpha Field Screening (dpm)	Beta/Gamma Field Screening Background (dpm)	Beta/Gamma Field Screening (dpm)	PID[b] Field Screening Background (ppm)	PID Field Screening (ppm)
MD21-14-86033	21-128	18.5–19.0	QBT3[c]	REG[d]	9/9/2014	17.5	34	21	1484	1941	0	0.9
MD21-14-86034	21-129	20.5–21.0	QBT3	REG	9/9/2014	20	34	26	1484	1984	0	0
MD21-14-86035	21-130	17.5–18.0	QBT3	REG	9/9/2014	17	34	47	1484	2170	0	0.7
MD21-14-86036	21-131	8.5–9.0	QBT3	REG	9/10/2014	8	29	52	1598	2030	0	0.1
MD21-14-86037	21-132	16.5–17.0	QBT3	REG	9/10/2014	16	29	21	1598	2100	0	0.1
MD21-14-86038	21-133	20.0–20.5	QBT3	REG	9/10/2014	19.5	29	21	1598	1920	0	0
MD21-14-86039	21-134	20.5–21.0	QBT3	REG	9/10/2014	20	29	57	1598	2210	0	0
MD21-14-86040	21-135	26.0–26.5	QBT3	REG	9/10/2014	25.5	29	57	1598	2110	0	0
MD21-14-86041	21-136	18.5–19.0	QBT3	REG	9/11/2014	18	21	26	1529	1997	0	0
MD21-14-86042	21-137	18.5–19.0	QBT3	REG	9/11/2014	18	21	26	1529	2020	0	0
MD21-14-86043	21-138	14.0–14.5	QBT3	REG	9/11/2014	13.5	21	42	1529	2210	0	0.1
MD21-14-86044	21-139	17.0–17.5	QBT3	REG	9/11/2014	16.5	21	42	1529	2040	0	0
MD21-14-86045	21-140	15.0–15.5	QBT3	REG	9/11/2014	14	21	47	1529	2770	0	0
MD21-14-86046	21-141	8.0–8.5	QBT3	REG	9/11/2014	7	21	73	1529	2390	0	0
MD21-14-86047	21-142	11.5–12.0	QBT3	REG	9/11/2014	11	21	21	1529	2670	0	0
MD21-14-86048	21-143	13.5–14.0	QBT3	REG	9/11/2014	13	21	121	1529	2140	0	0
MD21-14-86049	21-144	16–16.5	QBT3	REG	9/12/2014	15.5	22	31	1481	2230	0	0
MD21-14-86050	21-145	12.5–13.0	QBT3	REG	9/12/2014	12	22	47	1481	2010	0	0
MD21-14-86051	21-146	8.5–9.0	QBT3	REG	9/12/2014	8	22	274	1481	2430	0	0
MD21-14-86052	21-147	11.5–12.0	QBT3	REG	9/12/2014	11	22	31	1481	2150	0	0
MD21-14-86053	21-148	14.5–15.0	QBT3	REG	9/12/2014	14	22	68	1481	2210	0	0
MD21-14-86054	21-149	9.5–10.0	QBT3	REG	9/12/2014	9	22	68	1481	2160	0	0

Table 1 (continued)

Field Sample ID	Location ID	Sample Depth (ft)	Media	Purpose	Collection Date	Fill/Tuff Contact (ft)	Alpha Field Screening Background (dpm[a])	Alpha Field Screening (dpm)	Beta/Gamma Field Screening Background (dpm)	Beta/Gamma Field Screening (dpm)	PID[b] Field Screening Background (ppm)	PID Field Screening (ppm)
MD21-14-86055	21-130	17.5–18.0	QBT3	FD[e]	9/9/2014	17	34	47	1484	2170	0	0.7
MD21-14-86056	21-149	9.5–10.0	QBT3	FD	9/12/2014	9	22	68	1481	2160	0	0
MD21-14-86057	n/a[f]	n/a	n/a	FTB[g]	9/11/2014	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MD21-14-86058	n/a	n/a	n/a	FTB	9/10/2014	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MD21-14-87107	n/a	n/a	n/a	FTB	9/12/2014	n/a	n/a	n/a	n/a	n/a	n/a	n/a

[a] dpm = Disintegrations per minute.

[b] PID = Photoionization detector.

[c] QBT3 = Tuff.

[d] REG = Regular investigation sample.

[e] FD = Field duplicate.

[f] n/a = Not applicable.

[g] FTB = Field trip blank.

Attachment 1

Analytical Data

General Engineering Laboratories, Inc., Charleston, SC.

2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

ADEQ

COC/Lab Request #: 2014-4549

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:

- 24 Hour - ☐
- Other - ☐
- 7 Day - ☒
- 14 Day - ☐
- 21 Day - ☐
- 28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B	8260B Trip Blank
MD21-14-86049	Sep 12 2014	09:05	SO	1	
MD21-14-86050	Sep 12 2014	09:35	SO	1	
MD21-14-86051	Sep 12 2014	10:00	SO	1	
MD21-14-86052	Sep 12 2014	11:44	SO	1	
MD21-14-86053	Sep 12 2014	13:44	SO	1	
MD21-14-86054	Sep 12 2014	14:09	SO	1	
MD21-14-86056	Sep 12 2014	14:09	SO	1	
MD21-14-87107	Sep 12 2014	09:05	SO		2

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
	Melissa Martz	9/15/14 3:00			
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86049 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/12/2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		0905	MEDIA:	QBT3	↓
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	21-144	↓	FIELD PREP:	NA	↓
LOCATION TYPE: ~~21-144~~ at 9-12-14		BH	FIELD QC TYPE:	REG	↓
TOP DEPTH:		16 ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		16.5 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Light grey-Light purple, moderately welded, ash rich/Pumice poor, moderate quartz phenocrysts, minor ~~sanidt~~ sanidine, minor mafics, Tuff Contact = 15.5 ft, TD = 16.5 ft at 9-12-14

LOCATION COMMENTS: VOC_1617 AT 9-12-14

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

7day turn

BKgd

Gross α = 22 dpm Gross Alpha 31 dpm

Gross β/γ = 1481 dpm Gross Beta/Gamma 2230 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stocker	9/12/14 1600	S. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86050 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09-12-2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		0935	MEDIA:	QBT3	↓
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	21-145	↓	FIELD PREP:	NA	↓
LOCATION TYPE ~~21-145~~ AT 9-12-14		BH	FIELD QC TYPE:	REG	↓
TOP DEPTH:		12.5 ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		13.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Light grey-Light purple Tuff, moderately welded, moderately weathered, moderate oxidation, quartz ~~phenom~~ AT 9-12-14 phenocrysts, minor sanidine & mafics, ash rich/pumice poor. Tuff contact=12 ft & TD=13 ft.

LOCATION COMMENTS: VOC-18

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

3Kgd

gross α= 22 dpm

gross β/γ= 1481 dpm

Gross Alpha 47 dpm

Gross Beta/Gamma 2010 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

7 day turn

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Andrew Stocker (Signature)	9/12/14 1600	(Printed Name) B. Sherwood (Signature)	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86051 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/12/2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		1000	MEDIA:	QBT3	↓
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	21-146	↓	FIELD PREP:	NA	↓
LOCATION TYPE:	~~21-146~~ AT 9-12-14	BH	FIELD QC TYPE:	REG	↓
TOP DEPTH:		8.5 ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		9.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Light grey-Light purple tuff, moderately welded & weathered, quartz phenocryst rich, minor sanidine & mafics, ash rich/pumice poor. Tuff contact = 8ft TD = 9.0 ft

LOCATION COMMENTS: VOC_19

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

7 day turn

BKgd
Gross α = 22 dpm
Gross β/γ = 1481 dpm

Gross Alpha 274 dpm

Gross Beta/Gamma 2430 dpm

PID Ambient / Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A. Stocker	9/12/14 1600	S. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86052 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09-12-2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		AT 9-12-14 ~~0944~~ 1144	MEDIA:	QBT3	
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-147	↓	FIELD PREP:	NA	
LOCATION TYPE:	~~21-147~~ AT 9-12-14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		11.5 ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		12.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Light grey-Light purple tuff, Moderately welded & weathered Moderate ~~oxidation~~ AT 9-12-14 oxidation veining, quartz phenocryst rich, minor sanidine & mafics, ash rich/pumice poor. Tuff contact = 11.0ft & TD = 12.0 ft.

LOCATION COMMENTS: VOC_20

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

7 day turn

Gross α = 22 dpm Gross Alpha 31 dpm

Gross β/γ = 1481 dpm Gross Beta/Gamma 2150 dpm

PID Ambient / Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Aileen Stocker	9/12/14 1600	B. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	**Date/Time**	**RECEIVED BY (Printed Name) (Signature)**	**Date/Time**

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86053 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09-12-2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		1344	MEDIA:	QBT3	↓
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	21-148	↓	FIELD PREP:	NA	↓
LOCATION TYPE: ~~21-148~~ AT 9-12-14		BH	FIELD QC TYPE:	REG	↓
TOP DEPTH:		14.5 ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		15.0 ft	EXCAVATED:		YES / (NO) / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Light grey-Light purple tuff, moderately welded and slightly weathered, quartz phenocryst rich, minor sanidine & mafics, ash rich/pumice poor. Tuff contact at 14.0 ft and TD at 15.0 ft.

LOCATION COMMENTS: VOC_21

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

3Kgd
ross α=22 dpm
ross β/γ=1481 dpm

Gross Alpha 68 dpm

Gross Beta/Gamma 2210 dpm

PID Ambient / Reading = 0.0 / 0.0 ppm

7day turn

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stocker	9/12/14 1600	S. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	**Date/Time**	**RECEIVED BY (Printed Name) (Signature)**	**Date/Time**

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86054 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09-12-2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		1409	MEDIA:	QBT3	↓
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	21-149	↓	FIELD PREP:	NA	↓
LOCATION TYPE: ~~21-149~~ AT 9-12-14		BH	FIELD QC TYPE:	REG	↓
TOP DEPTH:		9.5 ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		10.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Light grey-light purple tuff, moderately welded ~~and slightly~~ AT 9-12-14 quartz phenocryst rich, trace mafics & sanidine, ash rich/pumice poor. Tuff contact at 9.0ft and TD at 10.

LOCATION COMMENTS: VOC_22

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

3Kgd
rossα=22dpm
ross β/γ=1481dpm

Gross Alpha 68 dpm

Gross Beta/Gamma 2160 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

7 day turn

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A. Stocker	9/12/14 1600	D. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86056 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09-12-2014	FIELD MATRIX:	R	OK
TIME COLLECTED (HH:MM):		1409	MEDIA:	QBT3	↓
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	UNK	21-149	FIELD PREP:	NA	↓
LOCATION TYPE:		BH	FIELD QC TYPE:	FD	↓
TOP DEPTH:		9.5 Ft	SAMPLE USAGE:	QC	↓
BOTTOM DEPTH:		10.0 Ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: NA

LOCATION COMMENTS: VOC-22, Field duplicate For MD21-14-86054

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

3Kgd

Gross α = 22 dpm

Gross β/γ = 1481 dpm

Gross Alpha 68 dpm

Gross Beta/Gamma 2160 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

7 day turn

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stocker	9/12/14 1600	B. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	**Date/Time**	**RECEIVED BY (Printed Name) (Signature)**	**Date/Time**

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-87107 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/12/2014	FIELD MATRIX:	S	ok
TIME COLLECTED (HH:MM):		0905	MEDIA:		
PRS ID:		TA-21	SAMPLE TECH CODE:	DC	ok
LOCATION ID:	UNK	NA	FIELD PREP:	NA	
LOCATION TYPE:			FIELD QC TYPE:	FTB	
TOP DEPTH:			SAMPLE USAGE:	QC	
BOTTOM DEPTH:			EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B Trip Blank	40 ML SEPTUM AMBER GLASS	2	ICE	Y	NA

SAMPLE COMMENTS: NA

LOCATION COMMENTS: Field Trip Blank for all samples collected 9/12/14 at MDA-B VOC sampling at TA-21

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha NA dpm PID Ambient Reading = NA ppm

Beta/Gamma NA dpm

COLLECTED BY (PRINT) A Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Robert Stocker	9/12/14 1600	D. Sherwood	9/12/14 1600
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 09/11/2014

DATA VALIDATION REPORT

Chain Of Custody No. 2014-4549

1. Distribution Of Samples In EDD.

SDG	Analytical Method	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks
356806	SW-846:8260B	6	1	1		

SDG	Analytical Method	Analysis Lot ID	Prep Lot ID	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks	Method Blanks	Matrix Spikes	Matrix Spike Dups	Analytical Spikes	Post-Digestion Spikes	Lab Control Samples	Lab Control Sample Dups	Blank Spike	Blank Spike Dups	Lab Duplicates	Storage Blanks	Preparation Blanks	Reagent Blanks
356806	SW-846:8260B	1420676	1420675	6	1	1			2					2							

2. Distribution Of Analytes In EDD.

Analytical Method	Analytical Method Category	Field Sample ID	Lab Sample ID	Sample Purpose	Target Analytes	Surrogates	Spiked Compounds	TICS
SW-846:8260B	VOC	HB	1203171241	MB	62	3	0	0
SW-846:8260B	VOC	LCS	1203171213	LCS	0	3	61	0
SW-846:8260B	VOC	LCS	1203171214	LCS	0	3	1	0
SW-846:8260B	VOC	MB	1203171212	MB	62	3	0	0
SW-846:8260B	VOC	MD21-14-86049	356806001	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86050	356806002	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86051	356806003	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86052	356806004	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86053	356806005	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86054	356806006	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86056	356806007	FD	62	3	0	0
SW-846:8260B	VOC	MD21-14-87107	356806008	FTB	62	3	0	0

3. Are any analytes missing?

No.

4. Were any holding times exceeded?

DATA VALIDATION REPORT

No.

5. Any contaminants in blanks?

No.

6. Any surrogate recoveries outside the control limits?

No.

7. Any MS/MSD recoveries or RPDs outside the control limits?

No.

8. Any LCS/LCSD or BS/BSD recoveries or RPDs outside the control limits?

LCS Lab Sample	LCSD Lab	Analytical Method	Parameter Name	Lab Lot ID	Analysis	Sample Matrix	LCS Spike Recovery	LCSD Spike Recovery	Upper Limit	Lower Limit	Upper Rejection Limit	Lower Rejection Limit	RPD	RPD Limit
1203171213		SW-846:8260B	Trichlorofluoromethane	1420675	09-19-2014	SD	129		128	67		10		
1203171213		SW-846:8260B	Vinyl Chloride	1420675	09-19-2014	SD	137		126	60		10		

9. Any Field Duplicate RPDs outside the desired limits?

No.

10. Any Lab Duplicate RPDs outside the desired limits?

DATA VALIDATION REPORT

No.

11. Any required reporting limits exceeded?

No.

12. Additional Validator's Comments.

13. Display Flagged Data.

None.

Reason Code	Description
U_LAB	The analytical laboratory qualified the analyte as not detected.

14. Usable Result Count.

Field Sample ID	Location ID	Sample Purpose	Analytical Method	No. Unuseable Records	Total Records
MD21-14-86049	21-144	REG	SW-846:8260B	0	62
MD21-14-86050	21-145	REG	SW-846:8260B	0	62
MD21-14-86051	21-146	REG	SW-846:8260B	0	62
MD21-14-86052	21-147	REG	SW-846:8260B	0	62
MD21-14-86053	21-148	REG	SW-846:8260B	0	62
MD21-14-86054	21-149	REG	SW-846:8260B	0	62
MD21-14-86056	21-149	FD	SW-846:8260B	0	62
MD21-14-87107	UNK	FTB	SW-846:8260B	0	62

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178
www.gel.com

September 19, 2014

Mr. Keith Greene
Los Alamos National Laboratory
TA-03, SM271, Drop Pt. 02U, Rm111
Los Alamos, New Mexico 87545

Re: LANL ER
Work Order: 356806
SDG: 2014-4549

Dear Mr. Greene:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on September 16, 2014, and analyzed for GC/MS Volatile. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4485.

Sincerely,

Hope Taylor for
Valerie Davis
Project Manager

Chain of Custody: 2014-4549
Enclosures

ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Work Order #: 356806
SDG: 2014-4549

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Case Narrative

Case Narrative for
ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Workorder #: 356806
SDG # : 2014-4549

September 19, 2014

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on September 16, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. The samples were screened according to GEL Standard Operating Procedure. All sample containers arrived without any visible signs of tampering or breakage. Containers were checked for pH, where appropriate, and matched the preservative as documented on the accompanying chain of custody. Shipping container temperature was within specification (0 - 6C). Shipping container temperatures were checked, documented, and within specifications. There are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
356806001	MD21-14-86049
356806002	MD21-14-86050
356806003	MD21-14-86051
356806004	MD21-14-86052
356806005	MD21-14-86053
356806006	MD21-14-86054
356806007	MD21-14-86056
356806008	MD21-14-87107

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: GC/MS Volatile.

I certify that this data report is in compliance with the terms and conditions of the subcontract and task order, both technically and for completeness, for other than the conditions detailed in the attached case narrative.

Hope Taylor for
Valerie Davis
Project Manager

List of current GEL Certifications as of 19 September 2014

State	Certification
Alaska	UST−110
Arkansas	88−0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH−0169
Delaware	SC000122013−10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330−12−00283, P330−12−00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013−10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C−SC−01
Kansas NELAP	E−10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M−SC012
Michigan	9976
Mississippi	SC000122013−10
Nebraska	NE−OS−26−13
Nevada	SC000122014−1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68−00485
Plant Material Permit	PDEP−12−00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235−14−9
Utah NELAP	SC000122014−14
Vermont	VT87156
Virginia NELAP	460202
Washington	C780−12
Wisconsin	999887790

Chain of Custody and Supporting Documentation

General Engineering Laboratories, Inc., Charleston, SC.

2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

356806 ADEP

COC/Lab Request #: 2014-4549

Page 1 of 1

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:

24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B	8260B Trip Blank
MD21-14-86049	Sep 12 2014	09:05	SO	1	
MD21-14-86050	Sep 12 2014	09:35	SO	1	
MD21-14-86051	Sep 12 2014	10:00	SO	1	
MD21-14-86052	Sep 12 2014	11:44	SO	1	
MD21-14-86053	Sep 12 2014	13:44	SO	1	
MD21-14-86054	Sep 12 2014	14:09	SO	1	
MD21-14-86056	Sep 12 2014	14:09	SO	1	
MD21-14-87107	Sep 12 2014	09:05	SO		2

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
	Melissa Martz	9/15/14 3:00		Hope Taylor	09/16/14 0850
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: LANL	**SDG/AR/COC/Work Order:** 20474549
Received By: H. Taylor	**Date Received:** 091614

Suspected Hazard Information	**Yes**	**No**	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts):
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample contatiners < action levels? 0cpm
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	**Yes**	**NA**	**No**	**Comments/Qualifiers (Required for Non-Conforming Items)**
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Ice bags (Blue ice) Dry ice None Other (describe) 4.5 *all temperatures are recorded in Celsius 19
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130532192 Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?	✓			Sample ID's and containers affected:
7	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?			✓	Sample ID's affected: see continuation
12	Are sample containers identifiable as GEL provided?			✓	
13	COC form is properly signed in relinquished/received sections?	✓			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 5908 1777 7466-4 7455-5 7477-19

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HA Date 091614 Page 1 of 2

GEL Laboratories LLC **SAMPLE RECEIPT & REVIEW CONTINUATION FORM**

Client: LANL **Received By:** H. Taylor **Date Received:** 091614 **SDG/AR/COC/Work Order:** 2014-4549

RN 2014-4548
WST14-14-87119 received 1 container for 8260

RN2014-4549
MD21-14-87107 received 1 container for 8260
MD21-14-86054 and 86056 received 1 container double labeled

RN 2014-4547
CALA-14-86007 received 1 container each for 8011 and 8260

RN 2014-4551
WST14-14-87120 received 1 container for 8260

PM (or PMA) review: Initials HT Date 091614 Page 2 of 2

Subject: Sample Receipt for 091614
From: Hope Taylor <Hope.Taylor@gel.com>
Date: 9/16/2014 2:01 PM
To: "Keith R. Greene" <kgreene@lanl.gov>
CC: LANL@amrad.com, "team.davis" <team.davis@gel.com>

RN 2014-4547
CALA-14-86007 received 1 container each for 8011 and 8260

RN 2014-4548
WST14-14-87119 received 1 container for 8260

RN 2014-4549
MD21-14-87107 received 1 container for 8260
Received 1 container with 2 labels on it for IDs MD21-14-86054 and 86056

RN 2014-4551
WST14-14-87120 received 1 container for 8260

--
Hope Taylor
Project Manager Assistant
GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Direct: 843.769.7376 ext. 4778
Main: 843.556.8171
Fax: 843.766.1178
E-mail: hop01200@gel.com
Web: www.gel.com

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 15SEP14
ACTWGT: 52.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR1A015AGWM0

4

FedEx Express

2 of 2
MPS# 0263 5908 1777 7466
Mstr# 5908 1777 7455

TUE - 16 SEP 10:30A
PRIORITY OVERNIGHT

0201

XX CHSA

29407
SC-US CHS

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 15SEP14
ACTWGT: 48.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR1A015AGWM0

4

FedEx Express

1 of 2
TRK# 0201 5908 1777 7455
MASTER

TUE - 16 SEP 10:30A
PRIORITY OVERNIGHT

XX CHSA

29407
SC-US CHS

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 15SEP14
ACTWGT: 30.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO **VALERIE DAVIS**
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR8R0325L600

19

FedEx Express

TRK# 0201 **5908 1777 7477**

TUE - 16 SEP 10:30A
PRIORITY OVERNIGHT

XX CHSA

29407
SC-US **CHS**

Part # 156148-434 RIT2 10/11

Data Review Qualifier Flag Definition Sheet

Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.

P Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference. For HPLC, the difference is >70%.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile Analysis

Case Narrative

ChemStation Case Narrative
ARS International, LLC (ARSL)
SDG 2014-4549

Method/Analysis Information

Procedure:	**Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer**
Analytical Method:	SW846 8260B
Prep Method:	SW846 5030
Analytical Batch Number:	1420676
Prep Batch Number:	1420675

Sample Analysis

The following client and quality control samples were analyzed to complete this SDG using the methods referenced in the Analysis Information section:

Sample ID	Client ID
356806001	MD21-14-86049
356806002	MD21-14-86050
356806003	MD21-14-86051
356806004	MD21-14-86052
356806005	MD21-14-86053
356806006	MD21-14-86054
356806007	MD21-14-86056
356806008	MD21-14-87107
1203171212	Method Blank (MB)
1203171213	Laboratory Control Sample (LCS)
1203171214	Laboratory Control Sample (LCS)
1203171215	356806001(MD21-14-86049) Post Spike (PS)
1203171216	356806001(MD21-14-86049) Post Spike (PS)
1203171217	356806001(MD21-14-86049) Post Spike Duplicate (PSD)
1203171218	356806001(MD21-14-86049) Post Spike Duplicate (PSD)
1203171241	High Blank (HB)

NOTE: For volatile organic analyses the matrix spike designations may be indicated as "PS" or "PSD". The "PS" designation (post spike) indicates that the matrix was fortified prior to analysis but after applying any prep factors, such as a dilution. The laboratory considers the MS/MSD and PS/PSD designations interchangeable.

The data results reported met all SOP and method criteria, unless otherwise discussed below.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-038 REV# 21.

Calibration Information

A complete list of the initial calibration data files with the correct dates and times of analysis are shown in the Calibration History report located in the Standard Data section of the data package. The surrogate compounds were calibrated using a minimum five-point calibration curve. The surrogates wereadded by the auto sampler at a concentration of 50 ug/L or 20 ug/L for low level analyses. GEL Laboratories LLC will not have surrogate recoveries reported for Dibromofluoromethane. This is due to increased regulations for this analyte and an industry shortage.

Initial Calibration
At the request of the client, linear curve fits, for target analytes that did not meet the x-intercept criteria of less than or equal to 3 times the MDL and had %RSDs less than 60%, were set to use the average response factor to quantitate data in this SDG.

Continuing Calibration Verification Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Blank (MB) Statement
Target analytes were detected in the blanks 1203171212 (MB) and 1203171241 (HB) below the reporting limit.

Surrogate Recoveries
Surrogate recoveries in all client and quality control samples were within the acceptance limits.

Laboratory Control Sample (LCS) Recovery
The LCS 1203171213 (LCS) recoveries were not all within the acceptance limits. The unacceptable recoveries were less than 5% of the requested analyte list. This satisfies the client criteria. The results are reported. See the Data Exception Report in the miscellaneous section of the data package.

QC Sample Designation
Sample 356806001 (MD21-14-86049) was designated for spike analysis.

Matrix Spike (PS) Recovery Statement
The spike 1203171215 (MD21-14-86049) recoveries were not all within the acceptance limits. See the Data Exception Report in the miscellaneous section of the data package.

Matrix Spike Duplicate (PSD) Recovery Statement
The spike duplicate 1203171217 (MD21-14-86049) recoveries were not all within the acceptance limits. See the Data Exception Report in the miscellaneous section of the data package.

Relative Percent Difference (RPD) Statement
The RPD between the matrix spike pair 1203171215 (MD21-14-86049) and 1203171217 (MD21-14-86049) were not all within the acceptance limits. See the Data Exception Report in the miscellaneous section of the deliverable.

Internal Standard (ISTD) Acceptance
The internal standard responses in all client and quality control samples met the required acceptance criteria.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met

the specified holding time.

Sample Preservation and Integrity
All samples met the sample preservation and integrity requirements.

Sample Dilutions/Methanol Dilutions
Samples 1203171215 (MD21-14-86049), 1203171216 (MD21-14-86049), 1203171217 (MD21-14-86049), 1203171218 (MD21-14-86049), 1203171241 (HB), 356806001 (MD21-14-86049), 356806002 (MD21-14-86050), 356806003 (MD21-14-86051), 356806004 (MD21-14-86052), 356806005 (MD21-14-86053), 356806006 (MD21-14-86054) and 356806007 (MD21-14-86056) were analyzed using a methanol dilution extraction procedure because the sample matrices were not amenable to more concentrated analyses.

Sample Re-extraction/Re-analysis
Re-analyses were not required for samples in this SDG.

Holding Times

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration.

Miscellaneous Information

Electronic Packaging Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative will include the data validator's signature and title. The signature page also includes the data qualifiers used in the fractional package. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Data Exception (DER) Documentation
The following DER was generated for this SDG: 1336256.

Manual Integrations
Data files associated with the initial calibration, continuing calibration check, and samples did not require manual integrations.

TIC Comment
Tentatively identified compounds (TIC) may be requested for samples in this delivery group/work order. Please note that non-requested calibrated analytes detected in a client sample may be reported on the Form 1/Certificate of Analysis as TICs. TIC data, if requested, are included on the Sample Data Summary (Form 1) and are also included with the sample raw data.

Additional Comments
Additional comments were not required for this SDG.

Residual Chlorine
Residual Chlorine was not detected in any of the samples in this SDG.

System Configuration

The Volatile-GC/MS analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description	P & T Trap
VOA9.I	Agilent 6890/5973 GC/MS w/ OI Eclipse/Archon Autosampler	HP6890/HP5973	DB-624	J&W, 60m x 0.25mm x 1.4um	Trap 10

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 − (843) 556−8171 − www.gel.com

Qualifier Definition Report
for

ARSL004 ARS International, LLC (ARS−LANS−MTOA6−25093−GEL)

Client SDG: 2014−4549 GEL Work Order: 356806

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

B The target analyte was detected in the associated blank.

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

DL Indicates that sample is diluted.
RA Indicates that sample is re−analyzed without re−extraction.
RE Indicates that sample is re−extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP−like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Erin Haubert **Name: Erin Haubert**

Date: 22 SEP 2014 **Title: Data Validator**

Sample Data Summary

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**356806001**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86049**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 16:09**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E516.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.6	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	526	ug/kg	175	526
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	526	ug/kg	175	526
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	526	ug/kg	175	526
67-64-1	Acetone	U	526	ug/kg	175	526
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	526	ug/kg	175	526
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**356806001**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86049**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 16:09**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E516.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	526	ug/kg	175	526
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	526	ug/kg	175	526
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	526	ug/kg	175	526
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.2	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	579	ug/kg	0	J
	unknown	5.639	784	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:35**	**Matrix:**	**SO**
Lab Sample ID:	**356806002**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**16.4**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86050**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 16:38**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:02**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E517.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	120	ug/kg	39.8	120
71-55-6	1,1,1-Trichloroethane	U	120	ug/kg	39.8	120
79-34-5	1,1,2,2-Tetrachloroethane	U	120	ug/kg	39.8	120
79-00-5	1,1,2-Trichloroethane	U	120	ug/kg	39.8	120
75-34-3	1,1-Dichloroethane	U	120	ug/kg	39.8	120
75-35-4	1,1-Dichloroethylene	U	120	ug/kg	39.8	120
563-58-6	1,1-Dichloropropene	U	120	ug/kg	39.8	120
96-18-4	1,2,3-Trichloropropane	U	120	ug/kg	39.8	120
95-63-6	1,2,4-Trimethylbenzene	U	120	ug/kg	39.8	120
96-12-8	1,2-Dibromo-3-chloropropane	U	120	ug/kg	59.8	120
106-93-4	1,2-Dibromoethane	U	120	ug/kg	39.8	120
95-50-1	1,2-Dichlorobenzene	U	120	ug/kg	39.8	120
107-06-2	1,2-Dichloroethane	U	120	ug/kg	39.8	120
78-87-5	1,2-Dichloropropane	U	120	ug/kg	39.8	120
108-67-8	1,3,5-Trimethylbenzene	U	120	ug/kg	39.8	120
541-73-1	1,3-Dichlorobenzene	U	120	ug/kg	39.8	120
142-28-9	1,3-Dichloropropane	U	120	ug/kg	39.8	120
106-46-7	1,4-Dichlorobenzene	U	120	ug/kg	39.8	120
594-20-7	2,2-Dichloropropane	U	120	ug/kg	39.8	120
78-93-3	2-Butanone	U	598	ug/kg	199	598
95-49-8	2-Chlorotoluene	U	120	ug/kg	39.8	120
591-78-6	2-Hexanone	U	598	ug/kg	199	598
106-43-4	4-Chlorotoluene	U	120	ug/kg	39.8	120
99-87-6	4-Isopropyltoluene	U	120	ug/kg	39.8	120
108-10-1	4-Methyl-2-pentanone	U	598	ug/kg	199	598
67-64-1	Acetone	U	598	ug/kg	199	598
71-43-2	Benzene	U	120	ug/kg	39.8	120
108-86-1	Bromobenzene	U	120	ug/kg	39.8	120
74-97-5	Bromochloromethane	U	120	ug/kg	39.8	120
75-27-4	Bromodichloromethane	U	120	ug/kg	39.8	120
75-25-2	Bromoform	U	120	ug/kg	39.8	120
74-83-9	Bromomethane	U	120	ug/kg	39.8	120
75-15-0	Carbon disulfide	U	598	ug/kg	199	598
56-23-5	Carbon tetrachloride	U	120	ug/kg	39.8	120
108-90-7	Chlorobenzene	U	120	ug/kg	39.8	120
75-00-3	Chloroethane	U	120	ug/kg	39.8	120
67-66-3	Chloroform	U	120	ug/kg	39.8	120
74-87-3	Chloromethane	U	120	ug/kg	39.8	120

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:35**	**Matrix:**	**SO**
Lab Sample ID:	**356806002**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**16.4**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86050**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 16:38**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:02**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E517.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	120	ug/kg	39.8	120
74-95-3	Dibromomethane	U	120	ug/kg	39.8	120
75-71-8	Dichlorodifluoromethane	U	120	ug/kg	39.8	120
100-41-4	Ethylbenzene	U	120	ug/kg	39.8	120
74-88-4	Iodomethane	U	598	ug/kg	199	598
98-82-8	Isopropylbenzene	U	120	ug/kg	39.8	120
75-09-2	Methylene chloride	U	598	ug/kg	199	598
100-42-5	Styrene	U	120	ug/kg	39.8	120
127-18-4	Tetrachloroethylene	U	120	ug/kg	39.8	120
108-88-3	Toluene	U	120	ug/kg	39.8	120
79-01-6	Trichloroethylene	U	120	ug/kg	39.8	120
75-69-4	Trichlorofluoromethane	U	120	ug/kg	39.8	120
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	598	ug/kg	199	598
75-01-4	Vinyl chloride	U	120	ug/kg	39.8	120
156-59-2	cis-1,2-Dichloroethylene	U	120	ug/kg	39.8	120
10061-01-5	cis-1,3-Dichloropropylene	U	120	ug/kg	39.8	120
179601-23-1	m,p-Xylenes	U	239	ug/kg	79.8	239
104-51-8	n-Butylbenzene	U	120	ug/kg	39.8	120
103-65-1	n-Propylbenzene	U	120	ug/kg	39.8	120
95-47-6	o-Xylene	U	120	ug/kg	39.8	120
135-98-8	sec-Butylbenzene	U	120	ug/kg	39.8	120
98-06-6	tert-Butylbenzene	U	120	ug/kg	39.8	120
156-60-5	trans-1,2-Dichloroethylene	U	120	ug/kg	39.8	120
10061-02-6	trans-1,3-Dichloropropylene	U	120	ug/kg	39.8	120

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	797	ug/kg	0	J
	unknown	5.674	961	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 10:00**	**Matrix:**	**SO**
Lab Sample ID:	**356806003**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**7.8**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86051**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 17:06**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:03**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E518.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	108	ug/kg	36.1	108
71-55-6	1,1,1-Trichloroethane	U	108	ug/kg	36.1	108
79-34-5	1,1,2,2-Tetrachloroethane	U	108	ug/kg	36.1	108
79-00-5	1,1,2-Trichloroethane	U	108	ug/kg	36.1	108
75-34-3	1,1-Dichloroethane	U	108	ug/kg	36.1	108
75-35-4	1,1-Dichloroethylene	U	108	ug/kg	36.1	108
563-58-6	1,1-Dichloropropene	U	108	ug/kg	36.1	108
96-18-4	1,2,3-Trichloropropane	U	108	ug/kg	36.1	108
95-63-6	1,2,4-Trimethylbenzene	U	108	ug/kg	36.1	108
96-12-8	1,2-Dibromo-3-chloropropane	U	108	ug/kg	54.2	108
106-93-4	1,2-Dibromoethane	U	108	ug/kg	36.1	108
95-50-1	1,2-Dichlorobenzene	U	108	ug/kg	36.1	108
107-06-2	1,2-Dichloroethane	U	108	ug/kg	36.1	108
78-87-5	1,2-Dichloropropane	U	108	ug/kg	36.1	108
108-67-8	1,3,5-Trimethylbenzene	U	108	ug/kg	36.1	108
541-73-1	1,3-Dichlorobenzene	U	108	ug/kg	36.1	108
142-28-9	1,3-Dichloropropane	U	108	ug/kg	36.1	108
106-46-7	1,4-Dichlorobenzene	U	108	ug/kg	36.1	108
594-20-7	2,2-Dichloropropane	U	108	ug/kg	36.1	108
78-93-3	2-Butanone	U	542	ug/kg	181	542
95-49-8	2-Chlorotoluene	U	108	ug/kg	36.1	108
591-78-6	2-Hexanone	U	542	ug/kg	181	542
106-43-4	4-Chlorotoluene	U	108	ug/kg	36.1	108
99-87-6	4-Isopropyltoluene	U	108	ug/kg	36.1	108
108-10-1	4-Methyl-2-pentanone	U	542	ug/kg	181	542
67-64-1	Acetone	U	542	ug/kg	181	542
71-43-2	Benzene	U	108	ug/kg	36.1	108
108-86-1	Bromobenzene	U	108	ug/kg	36.1	108
74-97-5	Bromochloromethane	U	108	ug/kg	36.1	108
75-27-4	Bromodichloromethane	U	108	ug/kg	36.1	108
75-25-2	Bromoform	U	108	ug/kg	36.1	108
74-83-9	Bromomethane	U	108	ug/kg	36.1	108
75-15-0	Carbon disulfide	U	542	ug/kg	181	542
56-23-5	Carbon tetrachloride	U	108	ug/kg	36.1	108
108-90-7	Chlorobenzene	U	108	ug/kg	36.1	108
75-00-3	Chloroethane	U	108	ug/kg	36.1	108
67-66-3	Chloroform	U	108	ug/kg	36.1	108
74-87-3	Chloromethane	U	108	ug/kg	36.1	108

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 10:00**	**Matrix:**	**SO**
Lab Sample ID:	**356806003**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**7.8**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86051**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 17:06**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:03**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E518.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	108	ug/kg	36.1	108
74-95-3	Dibromomethane	U	108	ug/kg	36.1	108
75-71-8	Dichlorodifluoromethane	U	108	ug/kg	36.1	108
100-41-4	Ethylbenzene	U	108	ug/kg	36.1	108
74-88-4	Iodomethane	U	542	ug/kg	181	542
98-82-8	Isopropylbenzene	U	108	ug/kg	36.1	108
75-09-2	Methylene chloride	U	542	ug/kg	181	542
100-42-5	Styrene	U	108	ug/kg	36.1	108
127-18-4	Tetrachloroethylene	U	108	ug/kg	36.1	108
108-88-3	Toluene	U	108	ug/kg	36.1	108
79-01-6	Trichloroethylene	U	108	ug/kg	36.1	108
75-69-4	Trichlorofluoromethane	U	108	ug/kg	36.1	108
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	542	ug/kg	181	542
75-01-4	Vinyl chloride	U	108	ug/kg	36.1	108
156-59-2	cis-1,2-Dichloroethylene	U	108	ug/kg	36.1	108
10061-01-5	cis-1,3-Dichloropropylene	U	108	ug/kg	36.1	108
179601-23-1	m,p-Xylenes	U	217	ug/kg	72.3	217
104-51-8	n-Butylbenzene	U	108	ug/kg	36.1	108
103-65-1	n-Propylbenzene	U	108	ug/kg	36.1	108
95-47-6	o-Xylene	U	108	ug/kg	36.1	108
135-98-8	sec-Butylbenzene	U	108	ug/kg	36.1	108
98-06-6	tert-Butylbenzene	U	108	ug/kg	36.1	108
156-60-5	trans-1,2-Dichloroethylene	U	108	ug/kg	36.1	108
10061-02-6	trans-1,3-Dichloropropylene	U	108	ug/kg	36.1	108

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	577	ug/kg	0	J
	unknown	5.663	813	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 11:44**	**Matrix:**	**SO**
Lab Sample ID:	**356806004**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**10.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86052**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 17:33**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:04**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E519.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	111	ug/kg	37.0	111
71-55-6	1,1,1-Trichloroethane	U	111	ug/kg	37.0	111
79-34-5	1,1,2,2-Tetrachloroethane	U	111	ug/kg	37.0	111
79-00-5	1,1,2-Trichloroethane	U	111	ug/kg	37.0	111
75-34-3	1,1-Dichloroethane	U	111	ug/kg	37.0	111
75-35-4	1,1-Dichloroethylene	U	111	ug/kg	37.0	111
563-58-6	1,1-Dichloropropene	U	111	ug/kg	37.0	111
96-18-4	1,2,3-Trichloropropane	U	111	ug/kg	37.0	111
95-63-6	1,2,4-Trimethylbenzene	U	111	ug/kg	37.0	111
96-12-8	1,2-Dibromo-3-chloropropane	U	111	ug/kg	55.6	111
106-93-4	1,2-Dibromoethane	U	111	ug/kg	37.0	111
95-50-1	1,2-Dichlorobenzene	U	111	ug/kg	37.0	111
107-06-2	1,2-Dichloroethane	U	111	ug/kg	37.0	111
78-87-5	1,2-Dichloropropane	U	111	ug/kg	37.0	111
108-67-8	1,3,5-Trimethylbenzene	U	111	ug/kg	37.0	111
541-73-1	1,3-Dichlorobenzene	U	111	ug/kg	37.0	111
142-28-9	1,3-Dichloropropane	U	111	ug/kg	37.0	111
106-46-7	1,4-Dichlorobenzene	U	111	ug/kg	37.0	111
594-20-7	2,2-Dichloropropane	U	111	ug/kg	37.0	111
78-93-3	2-Butanone	U	556	ug/kg	185	556
95-49-8	2-Chlorotoluene	U	111	ug/kg	37.0	111
591-78-6	2-Hexanone	U	556	ug/kg	185	556
106-43-4	4-Chlorotoluene	U	111	ug/kg	37.0	111
99-87-6	4-Isopropyltoluene	U	111	ug/kg	37.0	111
108-10-1	4-Methyl-2-pentanone	U	556	ug/kg	185	556
67-64-1	Acetone	U	556	ug/kg	185	556
71-43-2	Benzene	U	111	ug/kg	37.0	111
108-86-1	Bromobenzene	U	111	ug/kg	37.0	111
74-97-5	Bromochloromethane	U	111	ug/kg	37.0	111
75-27-4	Bromodichloromethane	U	111	ug/kg	37.0	111
75-25-2	Bromoform	U	111	ug/kg	37.0	111
74-83-9	Bromomethane	U	111	ug/kg	37.0	111
75-15-0	Carbon disulfide	U	556	ug/kg	185	556
56-23-5	Carbon tetrachloride	U	111	ug/kg	37.0	111
108-90-7	Chlorobenzene	U	111	ug/kg	37.0	111
75-00-3	Chloroethane	U	111	ug/kg	37.0	111
67-66-3	Chloroform	U	111	ug/kg	37.0	111
74-87-3	Chloromethane	U	111	ug/kg	37.0	111

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 11:44**	**Matrix:**	**SO**
Lab Sample ID:	**356806004**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**10.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86052**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 17:33**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:04**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E519.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	111	ug/kg	37.0	111
74-95-3	Dibromomethane	U	111	ug/kg	37.0	111
75-71-8	Dichlorodifluoromethane	U	111	ug/kg	37.0	111
100-41-4	Ethylbenzene	U	111	ug/kg	37.0	111
74-88-4	Iodomethane	U	556	ug/kg	185	556
98-82-8	Isopropylbenzene	U	111	ug/kg	37.0	111
75-09-2	Methylene chloride	U	556	ug/kg	185	556
100-42-5	Styrene	U	111	ug/kg	37.0	111
127-18-4	Tetrachloroethylene	U	111	ug/kg	37.0	111
108-88-3	Toluene	U	111	ug/kg	37.0	111
79-01-6	Trichloroethylene	U	111	ug/kg	37.0	111
75-69-4	Trichlorofluoromethane	U	111	ug/kg	37.0	111
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	556	ug/kg	185	556
75-01-4	Vinyl chloride	U	111	ug/kg	37.0	111
156-59-2	cis-1,2-Dichloroethylene	U	111	ug/kg	37.0	111
10061-01-5	cis-1,3-Dichloropropylene	U	111	ug/kg	37.0	111
179601-23-1	m,p-Xylenes	U	223	ug/kg	74.2	223
104-51-8	n-Butylbenzene	U	111	ug/kg	37.0	111
103-65-1	n-Propylbenzene	U	111	ug/kg	37.0	111
95-47-6	o-Xylene	U	111	ug/kg	37.0	111
135-98-8	sec-Butylbenzene	U	111	ug/kg	37.0	111
98-06-6	tert-Butylbenzene	U	111	ug/kg	37.0	111
156-60-5	trans-1,2-Dichloroethylene	U	111	ug/kg	37.0	111
10061-02-6	trans-1,3-Dichloropropylene	U	111	ug/kg	37.0	111

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.197	839	ug/kg	0	J
	unknown	5.675	848	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 13:44**	**Matrix:**	**SO**
Lab Sample ID:	**356806005**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**4.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86053**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 18:01**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:05**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E520.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.0	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.0	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.0	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.0	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.0	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.0	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.0	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.0	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.0	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.6	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.0	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.0	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.0	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.0	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.0	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.0	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.0	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.0	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.0	105
78-93-3	2-Butanone	U	526	ug/kg	175	526
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.0	105
591-78-6	2-Hexanone	U	526	ug/kg	175	526
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.0	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.0	105
108-10-1	4-Methyl-2-pentanone	U	526	ug/kg	175	526
67-64-1	Acetone	U	526	ug/kg	175	526
71-43-2	Benzene	U	105	ug/kg	35.0	105
108-86-1	Bromobenzene	U	105	ug/kg	35.0	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.0	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.0	105
75-25-2	Bromoform	U	105	ug/kg	35.0	105
74-83-9	Bromomethane	U	105	ug/kg	35.0	105
75-15-0	Carbon disulfide	U	526	ug/kg	175	526
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.0	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.0	105
75-00-3	Chloroethane	U	105	ug/kg	35.0	105
67-66-3	Chloroform	U	105	ug/kg	35.0	105
74-87-3	Chloromethane	U	105	ug/kg	35.0	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 13:44**	**Matrix:**	**SO**
Lab Sample ID:	**356806005**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**4.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86053**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 18:01**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:05**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E520.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.0	105
74-95-3	Dibromomethane	U	105	ug/kg	35.0	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.0	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.0	105
74-88-4	Iodomethane	U	526	ug/kg	175	526
98-82-8	Isopropylbenzene	U	105	ug/kg	35.0	105
75-09-2	Methylene chloride	U	526	ug/kg	175	526
100-42-5	Styrene	U	105	ug/kg	35.0	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.0	105
108-88-3	Toluene	U	105	ug/kg	35.0	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.0	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.0	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	526	ug/kg	175	526
75-01-4	Vinyl chloride	U	105	ug/kg	35.0	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.0	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.0	105
179601-23-1	m,p-Xylenes	U	210	ug/kg	70.1	210
104-51-8	n-Butylbenzene	U	105	ug/kg	35.0	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.0	105
95-47-6	o-Xylene	U	105	ug/kg	35.0	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.0	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.0	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.0	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.0	105

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.271	635	ug/kg	0	J
	unknown	5.627	711	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 14:09**	**Matrix:**	**SO**
Lab Sample ID:	**356806006**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86054**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 18:29**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:06**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E521.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	106	ug/kg	35.3	106
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	35.3	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	35.3	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	35.3	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	35.3	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	35.3	106
563-58-6	1,1-Dichloropropene	U	106	ug/kg	35.3	106
96-18-4	1,2,3-Trichloropropane	U	106	ug/kg	35.3	106
95-63-6	1,2,4-Trimethylbenzene	U	106	ug/kg	35.3	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	53.0	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	35.3	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	35.3	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	35.3	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	35.3	106
108-67-8	1,3,5-Trimethylbenzene	U	106	ug/kg	35.3	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	35.3	106
142-28-9	1,3-Dichloropropane	U	106	ug/kg	35.3	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	35.3	106
594-20-7	2,2-Dichloropropane	U	106	ug/kg	35.3	106
78-93-3	2-Butanone	U	530	ug/kg	177	530
95-49-8	2-Chlorotoluene	U	106	ug/kg	35.3	106
591-78-6	2-Hexanone	U	530	ug/kg	177	530
106-43-4	4-Chlorotoluene	U	106	ug/kg	35.3	106
99-87-6	4-Isopropyltoluene	U	106	ug/kg	35.3	106
108-10-1	4-Methyl-2-pentanone	U	530	ug/kg	177	530
67-64-1	Acetone	U	530	ug/kg	177	530
71-43-2	Benzene	U	106	ug/kg	35.3	106
108-86-1	Bromobenzene	U	106	ug/kg	35.3	106
74-97-5	Bromochloromethane	U	106	ug/kg	35.3	106
75-27-4	Bromodichloromethane	U	106	ug/kg	35.3	106
75-25-2	Bromoform	U	106	ug/kg	35.3	106
74-83-9	Bromomethane	U	106	ug/kg	35.3	106
75-15-0	Carbon disulfide	U	530	ug/kg	177	530
56-23-5	Carbon tetrachloride	U	106	ug/kg	35.3	106
108-90-7	Chlorobenzene	U	106	ug/kg	35.3	106
75-00-3	Chloroethane	U	106	ug/kg	35.3	106
67-66-3	Chloroform	U	106	ug/kg	35.3	106
74-87-3	Chloromethane	U	106	ug/kg	35.3	106

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 14:09**	**Matrix:**	**SO**
Lab Sample ID:	**356806006**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86054**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 18:29**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:06**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E521.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	106	ug/kg	35.3	106
74-95-3	Dibromomethane	U	106	ug/kg	35.3	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	35.3	106
100-41-4	Ethylbenzene	U	106	ug/kg	35.3	106
74-88-4	Iodomethane	U	530	ug/kg	177	530
98-82-8	Isopropylbenzene	U	106	ug/kg	35.3	106
75-09-2	Methylene chloride	U	530	ug/kg	177	530
100-42-5	Styrene	U	106	ug/kg	35.3	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	35.3	106
108-88-3	Toluene	U	106	ug/kg	35.3	106
79-01-6	Trichloroethylene	U	106	ug/kg	35.3	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	35.3	106
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	530	ug/kg	177	530
75-01-4	Vinyl chloride	U	106	ug/kg	35.3	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	35.3	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	35.3	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	70.8	212
104-51-8	n-Butylbenzene	U	106	ug/kg	35.3	106
103-65-1	n-Propylbenzene	U	106	ug/kg	35.3	106
95-47-6	o-Xylene	U	106	ug/kg	35.3	106
135-98-8	sec-Butylbenzene	U	106	ug/kg	35.3	106
98-06-6	tert-Butylbenzene	U	106	ug/kg	35.3	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	35.3	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	35.3	106

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	668	ug/kg	0	J
	unknown	5.639	752	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 14:09**	**Matrix:**	**SO**
Lab Sample ID:	**356806007**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86056**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 18:59**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:07**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E522.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	106	ug/kg	35.3	106
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	35.3	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	35.3	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	35.3	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	35.3	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	35.3	106
563-58-6	1,1-Dichloropropene	U	106	ug/kg	35.3	106
96-18-4	1,2,3-Trichloropropane	U	106	ug/kg	35.3	106
95-63-6	1,2,4-Trimethylbenzene	U	106	ug/kg	35.3	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	53.0	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	35.3	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	35.3	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	35.3	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	35.3	106
108-67-8	1,3,5-Trimethylbenzene	U	106	ug/kg	35.3	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	35.3	106
142-28-9	1,3-Dichloropropane	U	106	ug/kg	35.3	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	35.3	106
594-20-7	2,2-Dichloropropane	U	106	ug/kg	35.3	106
78-93-3	2-Butanone	U	530	ug/kg	177	530
95-49-8	2-Chlorotoluene	U	106	ug/kg	35.3	106
591-78-6	2-Hexanone	U	530	ug/kg	177	530
106-43-4	4-Chlorotoluene	U	106	ug/kg	35.3	106
99-87-6	4-Isopropyltoluene	U	106	ug/kg	35.3	106
108-10-1	4-Methyl-2-pentanone	U	530	ug/kg	177	530
67-64-1	Acetone	U	530	ug/kg	177	530
71-43-2	Benzene	U	106	ug/kg	35.3	106
108-86-1	Bromobenzene	U	106	ug/kg	35.3	106
74-97-5	Bromochloromethane	U	106	ug/kg	35.3	106
75-27-4	Bromodichloromethane	U	106	ug/kg	35.3	106
75-25-2	Bromoform	U	106	ug/kg	35.3	106
74-83-9	Bromomethane	U	106	ug/kg	35.3	106
75-15-0	Carbon disulfide	U	530	ug/kg	177	530
56-23-5	Carbon tetrachloride	U	106	ug/kg	35.3	106
108-90-7	Chlorobenzene	U	106	ug/kg	35.3	106
75-00-3	Chloroethane	U	106	ug/kg	35.3	106
67-66-3	Chloroform	U	106	ug/kg	35.3	106
74-87-3	Chloromethane	U	106	ug/kg	35.3	106

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 14:09**	**Matrix:**	**SO**
Lab Sample ID:	**356806007**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86056**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 18:59**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:07**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E522.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	106	ug/kg	35.3	106
74-95-3	Dibromomethane	U	106	ug/kg	35.3	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	35.3	106
100-41-4	Ethylbenzene	U	106	ug/kg	35.3	106
74-88-4	Iodomethane	U	530	ug/kg	177	530
98-82-8	Isopropylbenzene	U	106	ug/kg	35.3	106
75-09-2	Methylene chloride	U	530	ug/kg	177	530
100-42-5	Styrene	U	106	ug/kg	35.3	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	35.3	106
108-88-3	Toluene	U	106	ug/kg	35.3	106
79-01-6	Trichloroethylene	U	106	ug/kg	35.3	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	35.3	106
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	530	ug/kg	177	530
75-01-4	Vinyl chloride	U	106	ug/kg	35.3	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	35.3	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	35.3	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	70.8	212
104-51-8	n-Butylbenzene	U	106	ug/kg	35.3	106
103-65-1	n-Propylbenzene	U	106	ug/kg	35.3	106
95-47-6	o-Xylene	U	106	ug/kg	35.3	106
135-98-8	sec-Butylbenzene	U	106	ug/kg	35.3	106
98-06-6	tert-Butylbenzene	U	106	ug/kg	35.3	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	35.3	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	35.3	106

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.271	728	ug/kg	0	J
	unknown	5.651	816	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**356806008**	**Date Received:**	**09/16/2014 08:50**		
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-87107**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 14:44**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:08**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E513.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	2.00	ug/kg	0.666	2.00
71-55-6	1,1,1-Trichloroethane	U	2.00	ug/kg	0.666	2.00
79-34-5	1,1,2,2-Tetrachloroethane	U	2.00	ug/kg	0.666	2.00
79-00-5	1,1,2-Trichloroethane	U	2.00	ug/kg	0.666	2.00
75-34-3	1,1-Dichloroethane	U	2.00	ug/kg	0.666	2.00
75-35-4	1,1-Dichloroethylene	U	2.00	ug/kg	0.666	2.00
563-58-6	1,1-Dichloropropene	U	2.00	ug/kg	0.666	2.00
96-18-4	1,2,3-Trichloropropane	U	2.00	ug/kg	0.666	2.00
95-63-6	1,2,4-Trimethylbenzene	U	2.00	ug/kg	0.666	2.00
96-12-8	1,2-Dibromo-3-chloropropane	U	2.00	ug/kg	1.00	2.00
106-93-4	1,2-Dibromoethane	U	2.00	ug/kg	0.666	2.00
95-50-1	1,2-Dichlorobenzene	U	2.00	ug/kg	0.666	2.00
107-06-2	1,2-Dichloroethane	U	2.00	ug/kg	0.666	2.00
78-87-5	1,2-Dichloropropane	U	2.00	ug/kg	0.666	2.00
108-67-8	1,3,5-Trimethylbenzene	U	2.00	ug/kg	0.666	2.00
541-73-1	1,3-Dichlorobenzene	U	2.00	ug/kg	0.666	2.00
142-28-9	1,3-Dichloropropane	U	2.00	ug/kg	0.666	2.00
106-46-7	1,4-Dichlorobenzene	U	2.00	ug/kg	0.666	2.00
594-20-7	2,2-Dichloropropane	U	2.00	ug/kg	0.666	2.00
78-93-3	2-Butanone	U	10.0	ug/kg	3.33	10.0
95-49-8	2-Chlorotoluene	U	2.00	ug/kg	0.666	2.00
591-78-6	2-Hexanone	U	10.0	ug/kg	3.33	10.0
106-43-4	4-Chlorotoluene	U	2.00	ug/kg	0.666	2.00
99-87-6	4-Isopropyltoluene	U	2.00	ug/kg	0.666	2.00
108-10-1	4-Methyl-2-pentanone	U	10.0	ug/kg	3.33	10.0
67-64-1	Acetone	U	10.0	ug/kg	3.33	10.0
71-43-2	Benzene	U	2.00	ug/kg	0.666	2.00
108-86-1	Bromobenzene	U	2.00	ug/kg	0.666	2.00
74-97-5	Bromochloromethane	U	2.00	ug/kg	0.666	2.00
75-27-4	Bromodichloromethane	U	2.00	ug/kg	0.666	2.00
75-25-2	Bromoform	U	2.00	ug/kg	0.666	2.00
74-83-9	Bromomethane	U	2.00	ug/kg	0.666	2.00
75-15-0	Carbon disulfide	U	10.0	ug/kg	3.33	10.0
56-23-5	Carbon tetrachloride	U	2.00	ug/kg	0.666	2.00
108-90-7	Chlorobenzene	U	2.00	ug/kg	0.666	2.00
75-00-3	Chloroethane	U	2.00	ug/kg	0.666	2.00
67-66-3	Chloroform	U	2.00	ug/kg	0.666	2.00
74-87-3	Chloromethane	U	2.00	ug/kg	0.666	2.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**356806008**	**Date Received:**	**09/16/2014 08:50**		
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-87107**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 14:44**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:08**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E513.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	2.00	ug/kg	0.666	2.00
74-95-3	Dibromomethane	U	2.00	ug/kg	0.666	2.00
75-71-8	Dichlorodifluoromethane	U	2.00	ug/kg	0.666	2.00
100-41-4	Ethylbenzene	U	2.00	ug/kg	0.666	2.00
74-88-4	Iodomethane	U	10.0	ug/kg	3.33	10.0
98-82-8	Isopropylbenzene	U	2.00	ug/kg	0.666	2.00
75-09-2	Methylene chloride	U	10.0	ug/kg	3.33	10.0
100-42-5	Styrene	U	2.00	ug/kg	0.666	2.00
127-18-4	Tetrachloroethylene	U	2.00	ug/kg	0.666	2.00
108-88-3	Toluene	U	2.00	ug/kg	0.666	2.00
79-01-6	Trichloroethylene	U	2.00	ug/kg	0.666	2.00
75-69-4	Trichlorofluoromethane	U	2.00	ug/kg	0.666	2.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	10.0	ug/kg	3.33	10.0
75-01-4	Vinyl chloride	U	2.00	ug/kg	0.666	2.00
156-59-2	cis-1,2-Dichloroethylene	U	2.00	ug/kg	0.666	2.00
10061-01-5	cis-1,3-Dichloropropylene	U	2.00	ug/kg	0.666	2.00
179601-23-1	m,p-Xylenes	U	4.00	ug/kg	1.33	4.00
104-51-8	n-Butylbenzene	U	2.00	ug/kg	0.666	2.00
103-65-1	n-Propylbenzene	U	2.00	ug/kg	0.666	2.00
95-47-6	o-Xylene	U	2.00	ug/kg	0.666	2.00
135-98-8	sec-Butylbenzene	U	2.00	ug/kg	0.666	2.00
98-06-6	tert-Butylbenzene	U	2.00	ug/kg	0.666	2.00
156-60-5	trans-1,2-Dichloroethylene	U	2.00	ug/kg	0.666	2.00
10061-02-6	trans-1,3-Dichloropropylene	U	2.00	ug/kg	0.666	2.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	17.6	ug/kg	0	J

Quality Control Summary

Volatile

Surrogate Recovery Report

SDG Number: 2014-4549

Matrix Type: SOLID

Sample ID	Client ID	DCED4 %REC		TOL %REC		BFB %REC	
1203171213	LCS for batch 1420675	103		100		104	
1203171214	LCS for batch 1420675	105		100		108	
1203171212	MB for batch 1420675	102		104		103	
1203171241	HB for batch 1420675	98	D	104	D	103	D
356806008	MD21-14-87107	103		104		105	
356806001	MD21-14-86049	101	D	103	D	101	D
356806002	MD21-14-86050	100	D	103	D	102	D
356806003	MD21-14-86051	99	D	103	D	103	D
356806004	MD21-14-86052	102	D	105	D	106	D
356806005	MD21-14-86053	100	D	104	D	103	D
356806006	MD21-14-86054	98	D	102	D	99	D
356806007	MD21-14-86056	97	D	102	D	102	D
1203171215	MD21-14-86049PS	101	D	100	D	101	D
1203171217	MD21-14-86049PSD	97	D	98	D	100	D
1203171216	MD21-14-86049PS	102	D	102	D	107	D
1203171218	MD21-14-86049PSD	100	D	101	D	108	D

Surrogate		Acceptance Limits
DCED4	= 1,2-Dichloroethane-d4	(70%-128%)
TOL	= Toluene-d8	(80%-120%)
BFB	= Bromofluorobenzene	(63%-138%)

* Recovery outside Acceptance Limits
\# Column to be used to flag recovery values
D Sample Diluted

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **LCS for batch 1420675**
Lab Sample ID **1203171213**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/19/2014 10:57**
Prep Batch ID: **1420675**
Batch ID: **1420676**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
179601-23-1	LCS	m,p-Xylenes	100	0.0	98.3	98	77-120
67-64-1	LCS	Acetone	250	0.0	199	79	58-145
74-88-4	LCS	Iodomethane	250	0.0	245	98	69-125
75-15-0	LCS	Carbon disulfide	250	0.0	235	94	71-135
78-93-3	LCS	2-Butanone	250	0.0	183	73	58-147
108-10-1	LCS	4-Methyl-2-pentanone	250	0.0	215	86	68-129
591-78-6	LCS	2-Hexanone	250	0.0	211	84	62-147
75-71-8	LCS	Dichlorodifluoromethane	50.0	0.0	60.8	122	53-130
74-87-3	LCS	Chloromethane	50.0	0.0	56.4	113	58-122
75-01-4	LCS	Vinyl chloride	50.0	0.0	68.4	137 *	60-126
74-83-9	LCS	Bromomethane	50.0	0.0	55.3	111	63-124
75-00-3	LCS	Chloroethane	50.0	0.0	58.2	116	68-120
75-69-4	LCS	Trichlorofluoromethane	50.0	0.0	64.4	129 *	67-128
75-35-4	LCS	1,1-Dichloroethylene	50.0	0.0	48.5	97	68-125
75-09-2	LCS	Methylene chloride	50.0	0.0	42.5	85	68-120
156-60-5	LCS	trans-1,2-Dichloroethylene	50.0	0.0	47.5	95	70-120
75-34-3	LCS	1,1-Dichloroethane	50.0	0.0	47.8	96	72-120
156-59-2	LCS	cis-1,2-Dichloroethylene	50.0	0.0	49.8	100	74-120
594-20-7	LCS	2,2-Dichloropropane	50.0	0.0	55.4	111	75-129
74-97-5	LCS	Bromochloromethane	50.0	0.0	49.0	98	75-120
67-66-3	LCS	Chloroform	50.0	0.0	49.8	100	73-120
71-55-6	LCS	1,1,1-Trichloroethane	50.0	0.0	53.3	107	74-129

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **LCS for batch 1420675**
Lab Sample ID **1203171213**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/19/2014 10:57**
Prep Batch ID: **1420675**
Batch ID: **1420676**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
563-58-6	LCS	1,1-Dichloropropene	50.0	0.0	48.5	97	71-123
56-23-5	LCS	Carbon tetrachloride	50.0	0.0	54.6	109	75-133
107-06-2	LCS	1,2-Dichloroethane	50.0	0.0	48.9	98	69-120
71-43-2	LCS	Benzene	50.0	0.0	47.8	96	72-120
79-01-6	LCS	Trichloroethylene	50.0	0.0	50.2	100	75-122
78-87-5	LCS	1,2-Dichloropropane	50.0	0.0	46.1	92	74-120
74-95-3	LCS	Dibromomethane	50.0	0.0	47.9	96	75-120
75-27-4	LCS	Bromodichloromethane	50.0	0.0	53.5	107	76-123
10061-01-5	LCS	cis-1,3-Dichloropropylene	50.0	0.0	55.6	111	76-124
108-88-3	LCS	Toluene	50.0	0.0	47.3	95	75-120
10061-02-6	LCS	trans-1,3-Dichloropropylene	50.0	0.0	55.2	110	76-123
79-00-5	LCS	1,1,2-Trichloroethane	50.0	0.0	47.0	94	75-120
142-28-9	LCS	1,3-Dichloropropane	50.0	0.0	46.8	94	72-120
127-18-4	LCS	Tetrachloroethylene	50.0	0.0	46.1	92	73-122
124-48-1	LCS	Dibromochloromethane	50.0	0.0	56.7	113	71-128
106-93-4	LCS	1,2-Dibromoethane	50.0	0.0	48.1	96	79-120
108-90-7	LCS	Chlorobenzene	50.0	0.0	47.4	95	76-120
100-41-4	LCS	Ethylbenzene	50.0	0.0	47.5	95	76-120
95-47-6	LCS	o-Xylene	50.0	0.0	51.2	102	77-120
100-42-5	LCS	Styrene	50.0	0.0	51.3	103	78-122
75-25-2	LCS	Bromoform	50.0	0.0	58.2	116	65-128
98-82-8	LCS	Isopropylbenzene	50.0	0.0	51.8	104	75-121

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **LCS for batch 1420675**
Lab Sample ID **1203171213**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/19/2014 10:57**
Prep Batch ID: **1420675**
Batch ID: **1420676**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
79-34-5	LCS	1,1,2,2-Tetrachloroethane	50.0	0.0	47.2	94	73-121
96-18-4	LCS	1,2,3-Trichloropropane	50.0	0.0	47.8	96	72-120
108-86-1	LCS	Bromobenzene	50.0	0.0	49.2	98	76-120
103-65-1	LCS	n-Propylbenzene	50.0	0.0	46.5	93	74-120
108-67-8	LCS	1,3,5-Trimethylbenzene	50.0	0.0	51.1	102	76-120
95-49-8	LCS	2-Chlorotoluene	50.0	0.0	48.3	97	75-120
106-43-4	LCS	4-Chlorotoluene	50.0	0.0	50.0	100	75-120
98-06-6	LCS	tert-Butylbenzene	50.0	0.0	53.5	107	75-125
95-63-6	LCS	1,2,4-Trimethylbenzene	50.0	0.0	49.4	99	75-120
135-98-8	LCS	sec-Butylbenzene	50.0	0.0	51.0	102	75-121
99-87-6	LCS	4-Isopropyltoluene	50.0	0.0	50.9	102	76-124
541-73-1	LCS	1,3-Dichlorobenzene	50.0	0.0	48.5	97	75-120
106-46-7	LCS	1,4-Dichlorobenzene	50.0	0.0	46.3	93	74-120
104-51-8	LCS	n-Butylbenzene	50.0	0.0	49.4	99	74-125
96-12-8	LCS	1,2-Dibromo-3-chloropropane	50.0	0.0	55.3	111	60-132
630-20-6	LCS	1,1,1,2-Tetrachloroethane	50.0	0.0	51.6	103	79-123
95-50-1	LCS	1,2-Dichlorobenzene	50.0	0.0	48.3	97	76-120

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **LCS for batch 1420675**
Lab Sample ID **1203171214**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/19/2014 12:51**
Dilution: 1
Prep Batch ID: **1420675**
Batch ID: **1420676**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
76-13-1	LCS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.0	205	82	65-138

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **MD21-14-86049PS**
Lab Sample ID **1203171215**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **5**
Analysis Date: **09/19/2014 19:27**
Prep Batch ID: **1420675**
Batch ID: **1420676**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
179601-23-1	PS	m,p-Xylenes	100	0.00	U	105	105	54-132
67-64-1	PS	Acetone	250	0.00	U	216	86	34-151
74-88-4	PS	Iodomethane	250	0.00	U	242	97	58-137
75-15-0	PS	Carbon disulfide	250	0.00	U	251	100	56-145
78-93-3	PS	2-Butanone	250	0.00	U	199	80	40-148
108-10-1	PS	4-Methyl-2-pentanone	250	0.00	U	235	94	57-136
591-78-6	PS	2-Hexanone	250	0.00	U	220	88	43-149
75-71-8	PS	Dichlorodifluoromethane	50.0	0.00	U	61.8	124	35-139
74-87-3	PS	Chloromethane	50.0	0.00	U	71.9	144 *	47-137
75-01-4	PS	Vinyl chloride	50.0	0.00	U	74.6	149 *	54-136
74-83-9	PS	Bromomethane	50.0	0.00	U	39.0	78	30-135
75-00-3	PS	Chloroethane	50.0	0.00	U	64.0	128	47-129
75-69-4	PS	Trichlorofluoromethane	50.0	0.00	U	66.6	133 *	61-132
75-35-4	PS	1,1-Dichloroethylene	50.0	0.00	U	46.6	93	59-134
75-09-2	PS	Methylene chloride	50.0	0.00	U	41.1	82	62-124
156-60-5	PS	trans-1,2-Dichloroethylene	50.0	0.00	U	49.1	98	61-128
75-34-3	PS	1,1-Dichloroethane	50.0	0.00	U	49.6	99	65-126
156-59-2	PS	cis-1,2-Dichloroethylene	50.0	0.00	U	50.6	101	66-126
594-20-7	PS	2,2-Dichloropropane	50.0	0.00	U	52.1	104	65-132
74-97-5	PS	Bromochloromethane	50.0	0.00	U	48.4	97	69-127
67-66-3	PS	Chloroform	50.0	0.00	U	49.7	99	67-125
71-55-6	PS	1,1,1-Trichloroethane	50.0	0.00	U	50.9	102	65-134

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **MD21-14-86049PS**
Lab Sample ID **1203171215**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **5**
Analysis Date: **09/19/2014 19:27**
Prep Batch ID: **1420675**
Batch ID: **1420676**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
563-58-6	PS	1,1-Dichloropropene	50.0	0.00	U	47.8	96	60-132
56-23-5	PS	Carbon tetrachloride	50.0	0.00	U	51.7	103	62-138
107-06-2	PS	1,2-Dichloroethane	50.0	0.00	U	47.9	96	63-119
71-43-2	PS	Benzene	50.0	0.00	U	48.8	98	63-124
79-01-6	PS	Trichloroethylene	50.0	0.00	U	50.0	100	60-135
78-87-5	PS	1,2-Dichloropropane	50.0	0.00	U	49.3	99	65-122
74-95-3	PS	Dibromomethane	50.0	0.00	U	47.7	95	67-122
75-27-4	PS	Bromodichloromethane	50.0	0.00	U	51.2	102	66-127
10061-01-5	PS	cis-1,3-Dichloropropylene	50.0	0.00	U	53.1	106	63-130
108-88-3	PS	Toluene	50.0	0.00	U	48.5	97	58-128
10061-02-6	PS	trans-1,3-Dichloropropylene	50.0	0.00	U	54.0	108	63-128
79-00-5	PS	1,1,2-Trichloroethane	50.0	0.00	U	47.7	95	67-122
142-28-9	PS	1,3-Dichloropropane	50.0	0.00	U	49.8	100	66-117
127-18-4	PS	Tetrachloroethylene	50.0	0.00	U	46.0	92	55-137
124-48-1	PS	Dibromochloromethane	50.0	0.00	U	53.6	107	61-130
106-93-4	PS	1,2-Dibromoethane	50.0	0.00	U	48.2	96	68-127
108-90-7	PS	Chlorobenzene	50.0	0.00	U	48.1	96	60-126
100-41-4	PS	Ethylbenzene	50.0	0.00	U	49.9	100	55-130
95-47-6	PS	o-Xylene	50.0	0.00	U	53.5	107	57-130
100-42-5	PS	Styrene	50.0	0.00	U	53.9	108	59-136
75-25-2	PS	Bromoform	50.0	0.00	U	52.4	105	55-129
98-82-8	PS	Isopropylbenzene	50.0	0.00	U	50.2	100	56-137

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **MD21-14-86049PS**
Lab Sample ID **1203171215**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **5**
Analysis Date: **09/19/2014 19:27**
Prep Batch ID: **1420675**
Batch ID: **1420676**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
79-34-5	PS	1,1,2,2-Tetrachloroethane	50.0	0.00	U	49.1	98	59-132
96-18-4	PS	1,2,3-Trichloropropane	50.0	0.00	U	48.0	96	60-130
108-86-1	PS	Bromobenzene	50.0	0.00	U	47.0	94	60-128
103-65-1	PS	n-Propylbenzene	50.0	0.00	U	47.4	95	53-134
108-67-8	PS	1,3,5-Trimethylbenzene	50.0	0.00	U	51.5	103	54-136
95-49-8	PS	2-Chlorotoluene	50.0	0.00	U	47.9	96	56-131
106-43-4	PS	4-Chlorotoluene	50.0	0.00	U	50.1	100	56-130
98-06-6	PS	tert-Butylbenzene	50.0	0.00	U	51.1	102	55-141
95-63-6	PS	1,2,4-Trimethylbenzene	50.0	0.00	U	49.7	99	54-133
135-98-8	PS	sec-Butylbenzene	50.0	0.00	U	51.6	103	52-139
99-87-6	PS	4-Isopropyltoluene	50.0	0.00	U	52.2	104	49-143
541-73-1	PS	1,3-Dichlorobenzene	50.0	0.00	U	47.9	96	54-130
106-46-7	PS	1,4-Dichlorobenzene	50.0	0.00	U	45.6	91	54-127
104-51-8	PS	n-Butylbenzene	50.0	0.00	U	50.7	101	47-142
96-12-8	PS	1,2-Dibromo-3-chloropropane	50.0	0.00	U	52.5	105	48-135
630-20-6	PS	1,1,1,2-Tetrachloroethane	50.0	0.00	U	50.5	101	66-132
95-50-1	PS	1,2-Dichlorobenzene	50.0	0.00	U	48.0	96	56-128

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **MD21-14-86049PSD**
Lab Sample ID **1203171217**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **5**
Analysis Date: **09/19/2014 19:54**
Prep Batch ID: **1420675**
Batch ID: **1420676**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
179601-23-1	PSD	m,p-Xylenes	100	0.00	U	118	118	54-132	12	0-20
67-64-1	PSD	Acetone	250	0.00	U	218	87	34-151	1	0-20
74-88-4	PSD	Iodomethane	250	0.00	U	284	114	58-137	16	0-20
75-15-0	PSD	Carbon disulfide	250	0.00	U	278	111	56-145	10	0-20
78-93-3	PSD	2-Butanone	250	0.00	U	205	82	40-148	3	0-20
108-10-1	PSD	4-Methyl-2-pentanone	250	0.00	U	257	103	57-136	9	0-20
591-78-6	PSD	2-Hexanone	250	0.00	U	225	90	43-149	2	0-20
75-71-8	PSD	Dichlorodifluoromethane	50.0	0.00	U	61.6	123	35-139	0	0-20
74-87-3	PSD	Chloromethane	50.0	0.00	U	68.4	137	47-137	5	0-20
75-01-4	PSD	Vinyl chloride	50.0	0.00	U	71.4	143 *	54-136	4	0-20
74-83-9	PSD	Bromomethane	50.0	0.00	U	36.9	74	30-135	6	0-20
75-00-3	PSD	Chloroethane	50.0	0.00	U	60.7	121	47-129	5	0-20
75-69-4	PSD	Trichlorofluoromethane	50.0	0.00	U	63.9	128	61-132	4	0-20
75-35-4	PSD	1,1-Dichloroethylene	50.0	0.00	U	55.5	111	59-134	18	0-20
75-09-2	PSD	Methylene chloride	50.0	0.00	U	48.3	97	62-124	16	0-20
156-60-5	PSD	trans-1,2-Dichloroethylene	50.0	0.00	U	55.8	112	61-128	13	0-20
75-34-3	PSD	1,1-Dichloroethane	50.0	0.00	U	56.9	114	65-126	14	0-20
156-59-2	PSD	cis-1,2-Dichloroethylene	50.0	0.00	U	58.4	117	66-126	14	0-20
594-20-7	PSD	2,2-Dichloropropane	50.0	0.00	U	61.9	124	65-132	17	0-20
74-97-5	PSD	Bromochloromethane	50.0	0.00	U	58.8	118	69-127	20	0-20
67-66-3	PSD	Chloroform	50.0	0.00	U	57.0	114	67-125	14	0-20
71-55-6	PSD	1,1,1-Trichloroethane	50.0	0.00	U	59.7	119	65-134	16	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **MD21-14-86049PSD**
Lab Sample ID **1203171217**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **5**
Analysis Date: **09/19/2014 19:54**
Prep Batch ID: **1420675**
Batch ID: **1420676**
Dilution: **50**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
563-58-6	PSD	1,1-Dichloropropene	50.0	0.00	U	55.4	111	60-132	15	0-20
56-23-5	PSD	Carbon tetrachloride	50.0	0.00	U	60.7	121	62-138	16	0-20
107-06-2	PSD	1,2-Dichloroethane	50.0	0.00	U	55.3	111	63-119	14	0-20
71-43-2	PSD	Benzene	50.0	0.00	U	55.9	112	63-124	14	0-20
79-01-6	PSD	Trichloroethylene	50.0	0.00	U	56.4	113	60-135	12	0-20
78-87-5	PSD	1,2-Dichloropropane	50.0	0.00	U	56.1	112	65-122	13	0-20
74-95-3	PSD	Dibromomethane	50.0	0.00	U	55.5	111	67-122	15	0-20
75-27-4	PSD	Bromodichloromethane	50.0	0.00	U	59.0	118	66-127	14	0-20
10061-01-5	PSD	cis-1,3-Dichloropropylene	50.0	0.00	U	62.6	125	63-130	16	0-20
108-88-3	PSD	Toluene	50.0	0.00	U	54.4	109	58-128	11	0-20
10061-02-6	PSD	trans-1,3-Dichloropropylene	50.0	0.00	U	62.2	124	63-128	14	0-20
79-00-5	PSD	1,1,2-Trichloroethane	50.0	0.00	U	55.6	111	67-122	15	0-20
142-28-9	PSD	1,3-Dichloropropane	50.0	0.00	U	55.3	111	66-117	11	0-20
127-18-4	PSD	Tetrachloroethylene	50.0	0.00	U	52.4	105	55-137	13	0-20
124-48-1	PSD	Dibromochloromethane	50.0	0.00	U	61.6	123	61-130	14	0-20
106-93-4	PSD	1,2-Dibromoethane	50.0	0.00	U	54.9	110	68-127	13	0-20
108-90-7	PSD	Chlorobenzene	50.0	0.00	U	54.7	109	60-126	13	0-20
100-41-4	PSD	Ethylbenzene	50.0	0.00	U	56.1	112	55-130	12	0-20
95-47-6	PSD	o-Xylene	50.0	0.00	U	59.8	120	57-130	11	0-20
100-42-5	PSD	Styrene	50.0	0.00	U	59.7	119	59-136	10	0-20
75-25-2	PSD	Bromoform	50.0	0.00	U	62.6	125	55-129	18	0-20
98-82-8	PSD	Isopropylbenzene	50.0	0.00	U	57.5	115	56-137	14	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4549**
Client ID: **MD21-14-86049PSD**
Lab Sample ID **1203171217**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **5**
Analysis Date: **09/19/2014 19:54**
Prep Batch ID: **1420675**
Batch ID: **1420676**
Dilution: **50**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
79-34-5	PSD	1,1,2,2-Tetrachloroethane	50.0	0.00	U	54.2	108	59-132	10	0-20
96-18-4	PSD	1,2,3-Trichloropropane	50.0	0.00	U	59.3	119	60-130	21 *	0-20
108-86-1	PSD	Bromobenzene	50.0	0.00	U	55.7	111	60-128	17	0-20
103-65-1	PSD	n-Propylbenzene	50.0	0.00	U	53.8	108	53-134	13	0-20
108-67-8	PSD	1,3,5-Trimethylbenzene	50.0	0.00	U	57.8	116	54-136	11	0-20
95-49-8	PSD	2-Chlorotoluene	50.0	0.00	U	55.1	110	56-131	14	0-20
106-43-4	PSD	4-Chlorotoluene	50.0	0.00	U	57.4	115	56-130	14	0-20
98-06-6	PSD	tert-Butylbenzene	50.0	0.00	U	60.1	120	55-141	16	0-20
95-63-6	PSD	1,2,4-Trimethylbenzene	50.0	0.00	U	56.6	113	54-133	13	0-20
135-98-8	PSD	sec-Butylbenzene	50.0	0.00	U	57.8	116	52-139	11	0-20
99-87-6	PSD	4-Isopropyltoluene	50.0	0.00	U	58.8	118	49-143	12	0-20
541-73-1	PSD	1,3-Dichlorobenzene	50.0	0.00	U	54.6	109	54-130	13	0-20
106-46-7	PSD	1,4-Dichlorobenzene	50.0	0.00	U	52.8	106	54-127	15	0-20
104-51-8	PSD	n-Butylbenzene	50.0	0.00	U	57.8	116	47-142	13	0-20
96-12-8	PSD	1,2-Dibromo-3-chloropropane	50.0	0.00	U	59.8	120	48-135	13	0-20
630-20-6	PSD	1,1,1,2-Tetrachloroethane	50.0	0.00	U	59.2	118	66-132	16	0-20
95-50-1	PSD	1,2-Dichlorobenzene	50.0	0.00	U	55.0	110	56-128	14	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4549**	**Sample Type:**	**Post Spike**	
Client ID:	**MD21-14-86049PS**	**Matrix:**	**SO**	
Lab Sample ID	**1203171216**	**%Moisture:**	**5**	
Instrument:	**VOA9.I**	**Analysis Date:**	**09/19/2014 20:22**	**Dilution: 50**
Analyst:	**RXY1**	**Prep Batch ID:**	**1420675**	
Purge Vol:	**5 mL**	**Batch ID:**	**1420676**	

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
76-13-1	PS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	240	96	55-140

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4549**	**Sample Type:**	**Post Spike Duplicate**
Client ID:	**MD21-14-86049PSD**	**Matrix:**	**SO**
Lab Sample ID	**1203171218**	**%Moisture:**	**5**
Instrument:	**VOA9.I**	**Analysis Date:**	**09/19/2014 20:50**
Analyst:	**RXY1**	**Prep Batch ID:**	**1420675**
Purge Vol:	**5 mL**	**Batch ID:**	**1420676**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
76-13-1	PSD	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	285	114	55-140	17	0-20

Method Blank Summary

SDG Number:	**2014-4549**	**Client:**	**ARSL004**	**Matrix:**	**SOIL**
Client ID:	**MB for batch 1420675**	**Instrument ID:**	**VOA9.I**	**Data File:**	**091914V9\9E511B.D**
Lab Sample ID:	**1203171212**	**Prep Date:**	**09/19/2014 09:02**	**Analyzed:**	**09/19/14 13:47**
Column:	**DB-624**				

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 1420675	1203171213	091914V9\9E505L.D	09/19/14	1057
02	LCS for batch 1420675	1203171214	091914V9\9E509L.D	09/19/14	1251
03	HB for batch 1420675	1203171241	091914V9\9E512.D	09/19/14	1416
04	MD21-14-87107	356806008	091914V9\9E513.D	09/19/14	1444
05	MD21-14-86049	356806001	091914V9\9E516.D	09/19/14	1609
06	MD21-14-86050	356806002	091914V9\9E517.D	09/19/14	1638
07	MD21-14-86051	356806003	091914V9\9E518.D	09/19/14	1706
08	MD21-14-86052	356806004	091914V9\9E519.D	09/19/14	1733
09	MD21-14-86053	356806005	091914V9\9E520.D	09/19/14	1801
10	MD21-14-86054	356806006	091914V9\9E521.D	09/19/14	1829
11	MD21-14-86056	356806007	091914V9\9E522.D	09/19/14	1859
12	MD21-14-86049PS	1203171215	091914V9\9E523.D	09/19/14	1927
13	MD21-14-86049PSD	1203171217	091914V9\9E524.D	09/19/14	1954
14	MD21-14-86049PS	1203171216	091914V9\9E525.D	09/19/14	2022
15	MD21-14-86049PSD	1203171218	091914V9\9E526.D	09/19/14	2050

Quality Control Data

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171212**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 13:47**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 09:02**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091914V9\9E511B.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171212**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 13:47**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 09:02**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091914V9\9E511B.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	J	2.85	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	5.57	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171213**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 10:57**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 09:00**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091914V9\9E505L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		51.6	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane		53.3	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane		47.2	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane		47.0	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane		47.8	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene		48.5	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene		48.5	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane		47.8	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene		49.4	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane		55.3	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane		48.1	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene		48.3	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane		48.9	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane		46.1	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene		51.1	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene		48.5	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane		46.8	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene		46.3	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane		55.4	ug/kg	0.333	1.00
78-93-3	2-Butanone		183	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene		48.3	ug/kg	0.333	1.00
591-78-6	2-Hexanone		211	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene		50.0	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene		50.9	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone		215	ug/kg	1.67	5.00
67-64-1	Acetone		199	ug/kg	1.67	5.00
71-43-2	Benzene		47.8	ug/kg	0.333	1.00
108-86-1	Bromobenzene		49.2	ug/kg	0.333	1.00
74-97-5	Bromochloromethane		49.0	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane		53.5	ug/kg	0.333	1.00
75-25-2	Bromoform		58.2	ug/kg	0.333	1.00
74-83-9	Bromomethane		55.3	ug/kg	0.333	1.00
75-15-0	Carbon disulfide		235	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride		54.6	ug/kg	0.333	1.00
108-90-7	Chlorobenzene		47.4	ug/kg	0.333	1.00
75-00-3	Chloroethane		58.2	ug/kg	0.333	1.00
67-66-3	Chloroform		49.8	ug/kg	0.333	1.00
74-87-3	Chloromethane		56.4	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171213**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 10:57**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 09:00**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091914V9\9E505L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		56.7	ug/kg	0.333	1.00
74-95-3	Dibromomethane		47.9	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane		60.8	ug/kg	0.333	1.00
100-41-4	Ethylbenzene		47.5	ug/kg	0.333	1.00
74-88-4	Iodomethane		245	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene		51.8	ug/kg	0.333	1.00
75-09-2	Methylene chloride	B	42.5	ug/kg	1.67	5.00
100-42-5	Styrene		51.3	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene		46.1	ug/kg	0.333	1.00
108-88-3	Toluene		47.3	ug/kg	0.333	1.00
79-01-6	Trichloroethylene		50.2	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane		64.4	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride		68.4	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene		49.8	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene		55.6	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes		98.3	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene		49.4	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene		46.5	ug/kg	0.333	1.00
95-47-6	o-Xylene		51.2	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene		51.0	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene		53.5	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene		47.5	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene		55.2	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171214**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 12:51**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 09:01**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091914V9\9E509L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171214**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/19/2014 12:51**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 09:01**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091914V9\9E509L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		205	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171215**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 19:27**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E523.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		5310	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane		5360	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane		5170	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane		5020	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane		5220	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene		4900	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene		5030	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane		5050	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene		5240	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane		5530	ug/kg	52.6	105
106-93-4	1,2-Dibromoethane		5070	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene		5050	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane		5040	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane		5190	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene		5420	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene		5040	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane		5240	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene		4800	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane		5490	ug/kg	35.1	105
78-93-3	2-Butanone		21000	ug/kg	175	526
95-49-8	2-Chlorotoluene		5040	ug/kg	35.1	105
591-78-6	2-Hexanone		23100	ug/kg	175	526
106-43-4	4-Chlorotoluene		5280	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene		5490	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone		24800	ug/kg	175	526
67-64-1	Acetone		22700	ug/kg	175	526
71-43-2	Benzene		5140	ug/kg	35.1	105
108-86-1	Bromobenzene		4950	ug/kg	35.1	105
74-97-5	Bromochloromethane		5090	ug/kg	35.1	105
75-27-4	Bromodichloromethane		5380	ug/kg	35.1	105
75-25-2	Bromoform		5520	ug/kg	35.1	105
74-83-9	Bromomethane		4100	ug/kg	35.1	105
75-15-0	Carbon disulfide		26400	ug/kg	175	526
56-23-5	Carbon tetrachloride		5440	ug/kg	35.1	105
108-90-7	Chlorobenzene		5060	ug/kg	35.1	105
75-00-3	Chloroethane		6740	ug/kg	35.1	105
67-66-3	Chloroform		5230	ug/kg	35.1	105
74-87-3	Chloromethane		7570	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171215**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 19:27**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E523.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		5640	ug/kg	35.1	105
74-95-3	Dibromomethane		5030	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane		6500	ug/kg	35.1	105
100-41-4	Ethylbenzene		5250	ug/kg	35.1	105
74-88-4	Iodomethane		25500	ug/kg	175	526
98-82-8	Isopropylbenzene		5280	ug/kg	35.1	105
75-09-2	Methylene chloride	B	4330	ug/kg	175	526
100-42-5	Styrene		5670	ug/kg	35.1	105
127-18-4	Tetrachloroethylene		4840	ug/kg	35.1	105
108-88-3	Toluene		5110	ug/kg	35.1	105
79-01-6	Trichloroethylene		5270	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane		7010	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	526	ug/kg	175	526
75-01-4	Vinyl chloride		7850	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene		5320	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene		5590	ug/kg	35.1	105
179601-23-1	m,p-Xylenes		11000	ug/kg	70.2	211
104-51-8	n-Butylbenzene		5340	ug/kg	35.1	105
103-65-1	n-Propylbenzene		4990	ug/kg	35.1	105
95-47-6	o-Xylene		5630	ug/kg	35.1	105
135-98-8	sec-Butylbenzene		5430	ug/kg	35.1	105
98-06-6	tert-Butylbenzene		5380	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene		5160	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene		5680	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171216**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 20:22**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E525.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.6	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	526	ug/kg	175	526
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	526	ug/kg	175	526
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	526	ug/kg	175	526
67-64-1	Acetone	U	526	ug/kg	175	526
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	526	ug/kg	175	526
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171216**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 20:22**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E525.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	526	ug/kg	175	526
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	526	ug/kg	175	526
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		25300	ug/kg	175	526
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.2	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171217**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 19:54**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E524.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		6230	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane		6290	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane		5710	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane		5850	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane		5990	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene		5840	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene		5830	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane		6240	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene		5960	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane		6300	ug/kg	52.6	105
106-93-4	1,2-Dibromoethane		5770	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene		5790	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane		5820	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane		5910	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene		6080	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene		5750	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane		5820	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene		5560	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane		6510	ug/kg	35.1	105
78-93-3	2-Butanone		21600	ug/kg	175	526
95-49-8	2-Chlorotoluene		5800	ug/kg	35.1	105
591-78-6	2-Hexanone		23600	ug/kg	175	526
106-43-4	4-Chlorotoluene		6040	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene		6190	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone		27100	ug/kg	175	526
67-64-1	Acetone		22900	ug/kg	175	526
71-43-2	Benzene		5890	ug/kg	35.1	105
108-86-1	Bromobenzene		5860	ug/kg	35.1	105
74-97-5	Bromochloromethane		6190	ug/kg	35.1	105
75-27-4	Bromodichloromethane		6210	ug/kg	35.1	105
75-25-2	Bromoform		6590	ug/kg	35.1	105
74-83-9	Bromomethane		3880	ug/kg	35.1	105
75-15-0	Carbon disulfide		29300	ug/kg	175	526
56-23-5	Carbon tetrachloride		6390	ug/kg	35.1	105
108-90-7	Chlorobenzene		5760	ug/kg	35.1	105
75-00-3	Chloroethane		6390	ug/kg	35.1	105
67-66-3	Chloroform		6000	ug/kg	35.1	105
74-87-3	Chloromethane		7200	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171217**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 19:54**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E524.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		6480	ug/kg	35.1	105
74-95-3	Dibromomethane		5840	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane		6480	ug/kg	35.1	105
100-41-4	Ethylbenzene		5900	ug/kg	35.1	105
74-88-4	Iodomethane		29900	ug/kg	175	526
98-82-8	Isopropylbenzene		6050	ug/kg	35.1	105
75-09-2	Methylene chloride	B	5090	ug/kg	175	526
100-42-5	Styrene		6280	ug/kg	35.1	105
127-18-4	Tetrachloroethylene		5510	ug/kg	35.1	105
108-88-3	Toluene		5720	ug/kg	35.1	105
79-01-6	Trichloroethylene		5930	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane		6730	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	526	ug/kg	175	526
75-01-4	Vinyl chloride		7520	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene		6150	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene		6590	ug/kg	35.1	105
179601-23-1	m,p-Xylenes		12500	ug/kg	70.2	211
104-51-8	n-Butylbenzene		6080	ug/kg	35.1	105
103-65-1	n-Propylbenzene		5660	ug/kg	35.1	105
95-47-6	o-Xylene		6300	ug/kg	35.1	105
135-98-8	sec-Butylbenzene		6090	ug/kg	35.1	105
98-06-6	tert-Butylbenzene		6330	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene		5870	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene		6550	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171218**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 20:50**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E526.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.6	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	526	ug/kg	175	526
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	526	ug/kg	175	526
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	526	ug/kg	175	526
67-64-1	Acetone	U	526	ug/kg	175	526
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	526	ug/kg	175	526
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**	**Date Collected:**	**09/12/2014 09:05**	**Matrix:**	**SO**
Lab Sample ID:	**1203171218**	**Date Received:**	**09/16/2014 08:50**	**%Moisture:**	**5**
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86049PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 20:50**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:01**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E526.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	526	ug/kg	175	526
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	526	ug/kg	175	526
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		30000	ug/kg	175	526
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.2	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171241**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**HB for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 14:16**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:00**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E512.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	100	ug/kg	33.3	100
71-55-6	1,1,1-Trichloroethane	U	100	ug/kg	33.3	100
79-34-5	1,1,2,2-Tetrachloroethane	U	100	ug/kg	33.3	100
79-00-5	1,1,2-Trichloroethane	U	100	ug/kg	33.3	100
75-34-3	1,1-Dichloroethane	U	100	ug/kg	33.3	100
75-35-4	1,1-Dichloroethylene	U	100	ug/kg	33.3	100
563-58-6	1,1-Dichloropropene	U	100	ug/kg	33.3	100
96-18-4	1,2,3-Trichloropropane	U	100	ug/kg	33.3	100
95-63-6	1,2,4-Trimethylbenzene	U	100	ug/kg	33.3	100
96-12-8	1,2-Dibromo-3-chloropropane	U	100	ug/kg	50.0	100
106-93-4	1,2-Dibromoethane	U	100	ug/kg	33.3	100
95-50-1	1,2-Dichlorobenzene	U	100	ug/kg	33.3	100
107-06-2	1,2-Dichloroethane	U	100	ug/kg	33.3	100
78-87-5	1,2-Dichloropropane	U	100	ug/kg	33.3	100
108-67-8	1,3,5-Trimethylbenzene	U	100	ug/kg	33.3	100
541-73-1	1,3-Dichlorobenzene	U	100	ug/kg	33.3	100
142-28-9	1,3-Dichloropropane	U	100	ug/kg	33.3	100
106-46-7	1,4-Dichlorobenzene	U	100	ug/kg	33.3	100
594-20-7	2,2-Dichloropropane	U	100	ug/kg	33.3	100
78-93-3	2-Butanone	U	500	ug/kg	167	500
95-49-8	2-Chlorotoluene	U	100	ug/kg	33.3	100
591-78-6	2-Hexanone	U	500	ug/kg	167	500
106-43-4	4-Chlorotoluene	U	100	ug/kg	33.3	100
99-87-6	4-Isopropyltoluene	U	100	ug/kg	33.3	100
108-10-1	4-Methyl-2-pentanone	U	500	ug/kg	167	500
67-64-1	Acetone	U	500	ug/kg	167	500
71-43-2	Benzene	U	100	ug/kg	33.3	100
108-86-1	Bromobenzene	U	100	ug/kg	33.3	100
74-97-5	Bromochloromethane	U	100	ug/kg	33.3	100
75-27-4	Bromodichloromethane	U	100	ug/kg	33.3	100
75-25-2	Bromoform	U	100	ug/kg	33.3	100
74-83-9	Bromomethane	U	100	ug/kg	33.3	100
75-15-0	Carbon disulfide	U	500	ug/kg	167	500
56-23-5	Carbon tetrachloride	U	100	ug/kg	33.3	100
108-90-7	Chlorobenzene	U	100	ug/kg	33.3	100
75-00-3	Chloroethane	U	100	ug/kg	33.3	100
67-66-3	Chloroform	U	100	ug/kg	33.3	100
74-87-3	Chloromethane	U	100	ug/kg	33.3	100

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4549**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203171241**				
Client Sample:	**QC for batch 1420675**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**HB for batch 1420675**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420676**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/19/2014 14:16**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/19/2014 13:00**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091914V9\9E512.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	100	ug/kg	33.3	100
74-95-3	Dibromomethane	U	100	ug/kg	33.3	100
75-71-8	Dichlorodifluoromethane	U	100	ug/kg	33.3	100
100-41-4	Ethylbenzene	U	100	ug/kg	33.3	100
74-88-4	Iodomethane	U	500	ug/kg	167	500
98-82-8	Isopropylbenzene	U	100	ug/kg	33.3	100
75-09-2	Methylene chloride	U	500	ug/kg	167	500
100-42-5	Styrene	U	100	ug/kg	33.3	100
127-18-4	Tetrachloroethylene	J	49.0	ug/kg	33.3	100
108-88-3	Toluene	U	100	ug/kg	33.3	100
79-01-6	Trichloroethylene	U	100	ug/kg	33.3	100
75-69-4	Trichlorofluoromethane	U	100	ug/kg	33.3	100
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	500	ug/kg	167	500
75-01-4	Vinyl chloride	U	100	ug/kg	33.3	100
156-59-2	cis-1,2-Dichloroethylene	U	100	ug/kg	33.3	100
10061-01-5	cis-1,3-Dichloropropylene	U	100	ug/kg	33.3	100
179601-23-1	m,p-Xylenes	U	200	ug/kg	66.7	200
104-51-8	n-Butylbenzene	U	100	ug/kg	33.3	100
103-65-1	n-Propylbenzene	U	100	ug/kg	33.3	100
95-47-6	o-Xylene	U	100	ug/kg	33.3	100
135-98-8	sec-Butylbenzene	U	100	ug/kg	33.3	100
98-06-6	tert-Butylbenzene	U	100	ug/kg	33.3	100
156-60-5	trans-1,2-Dichloroethylene	U	100	ug/kg	33.3	100
10061-02-6	trans-1,3-Dichloropropylene	U	100	ug/kg	33.3	100

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
000060-34-4	Hydrazine, methyl-	4.286	567	ug/kg	4	J
017639-93-9	Propanoic acid, 2-chloro-, methyl ester	5.686	633	ug/kg	4	J

Miscellaneous

DATA EXCEPTION REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
22-SEP-14	Federal	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
VOA GC/MS	SW846 8260B	Solid	LANL 356806
Batch ID:	**Sample Numbers:**		
1420676	1203171213, 1203171215, 1203171217		

Potentially affected work order(s)(SDG): 356806(2014-4549)

Application Issues:

Failed Recovery for MS/PS

Failed RPD for MS/MSD, or PS/PSD

Failed Recovery for LCS/LCSD

Failed Recovery for MSD/PSD

Specification and Requirements Exception Description:	DER Disposition:
1. The LCS 1203171213 did not meet the acceptable recovery criteria for Vinyl chloride and Trichlorofluoromethane. Vinyl chloride: 137% (Limits of: 60.00% - 126.00%) Trichlorofluoromethane: 129% (Limits of: 67.00% - 128.00%) 2. The MS 1203171215 did not meet the acceptable recovery criteria for Chloromethane, Vinyl chloride, and Trichlorofluoromethane. Chloromethane: 144% (Limits of: 47.00% - 137.00%) Vinyl chloride: 149% (Limits of: 54.00% - 136.00%) Trichlorofluoromethane: 133% (Limits of: 61.00% - 132.00%) 3. The MSD 1203171217 did not meet the acceptable recovery criteria for Vinyl chloride. Vinyl chloride: 143% (Limits of: 54.00% - 136.00%) 4. The MS 1203171215 and MSD 1203171217 did not meet the acceptable spiking %RPD for 1,2,3-Trichloropropane. 1,2,3-Trichloropropane: 21% (Limits of: 0.00% - 20.00%)	1. The biased high LCS recoveries were less than 5% of the total requested target compounds; therefore, this was acceptable per the client. The data were reported. 2/3/4. The biased high Vinyl chloride and Trichlorofluoromethane recoveries may have been attributed to calibration variances. The data were reported.

Originator's Name:

Ramona Yarbrough 22-SEP-14

Data Validator/Group Leader:

Erin Haubert 22-SEP-14

General Engineering Laboratories, Inc., Charleston, SC.
2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

ADEP

COC/Lab Request #: 2014-4540

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:

24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B
MD21-14-86041	Sep 11 2014	10:10	SO	1
MD21-14-86042	Sep 11 2014	10:28	SO	1
MD21-14-86043	Sep 11 2014	11:05	SO	1
MD21-14-86044	Sep 11 2014	11:35	SO	1
MD21-14-86045	Sep 11 2014	13:27	SO	1
MD21-14-86046	Sep 11 2014	13:52	SO	1
MD21-14-86047	Sep 11 2014	14:50	SO	1
MD21-14-86048	Sep 11 2014	15:39	SO	1
MD21-14-86057	Sep 11 2014	10:10	SO	1

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Sheri Sherwood	Sheri Sherwood	9/12/14 3pm			

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86041 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/~~10~~ 11/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1010	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-136		FIELD PREP:	NA	
LOCATION TYPE:	~~21~~-136	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		18.5	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		19.0	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Tuff bedrock; crystal + ash-rich, altered zone present, light purple color, porous, poor, minor surfaces, moderately welded

LOCATION COMMENTS: VOC_9 TD @ 19.0 ft Tuff @ 18.0 ft 7-DAY TURN

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

5K gal Gross Alpha: 21 Gross β/γ: 1529

Gross Alpha 26 dpm

Gross Beta/Gamma 1997 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Anthony Stocker	9/11/14 1645	K. Greene	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86042 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1028	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-137		FIELD PREP:	NA	
LOCATION TYPE:	~~21-137~~ BSA/11/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		18.5ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		19.0ft	EXCAVATED:		YES / (NO) / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
MD	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Tuff bedrock: slightly welded (thicker welded layer), light purple to gray color, crystal and ash-rich, pumice poor, minor vapors

LOCATION COMMENTS: VOC-10 location TD: 19.0ft BH @ 18.0ft 7-DAY Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Pkgd Gross α=21 Gross β/γ=1529

Gross Alpha 26 dpm

Gross Beta/Gamma 2020 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Ashley Stocker	9/11/14 645	K. Greer	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86043 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		11:00	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-138		FIELD PREP:	NA	
LOCATION TYPE:	21-138 BH 9/11/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		14.0 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		14.5 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Tuff bedrock: light purple to gray, moderately welded, crystal and ash-rich, pumice poor, minor vapors, minor weathered fractures

LOCATION COMMENTS: VOC_11 location TOC 14.5 Tuff @ ~~14.0 ft~~ 9/11/14 13.5ft

7-Day Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Gross α: 21 Gross Alpha 42 dpm

Gross β/γ: 1529 Gross Beta/Gamma 2210 dpm

PID Ambient Reading = 0.0 / 0.1 ppm

COLLECTED BY (PRINT) A Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A Stocker	9/11/14 1645	K. Green	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86044 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		11:35	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-139		FIELD PREP:	NA	
LOCATION TYPE:	~~21-139~~ Ok 9/11/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		17.0ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		17.5ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock: gray to light purple, moderately welded, crystal and ash-rich, porosity poor, minor matrix

LOCATION COMMENTS: VOC-12 location TD @ 17.5 Tuff @ 17.5 9/11/14 7-Day Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd Gross α: 21 Gross β/γ: 1529

Gross Alpha 42 dpm

Gross Beta/Gamma 2040 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) A. Stocke

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stocke	9/11/14 1545	K. Green	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86045 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1327	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-140	ok	FIELD PREP:	NA	
LOCATION TYPE:	~~21-140~~ Reg 9/11/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		15.08 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		15.58 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock; light gray – purple, moderately welded, crystal + ash rich, moderate vesicles, pumice ~~gray~~

LOCATION COMMENTS: VOC-14 location

TDE 15.58 Tube 14 ft

7-DAY TURN

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd Gross: 21 Gross β/γ: 1529

Gross Alpha 47 dpm

Gross Beta/Gamma 2770 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) [illegible]

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
[illegible]	9/11/14 1645	K. Greer	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86046 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1352	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-141		FIELD PREP:	NA	
LOCATION TYPE:	21-141	BH	FIELD QC TYPE:	REG	
TOP DEPTH:	09/11/14	8.0 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		8.5 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Tuff bedrock: moderately well welded, gray to light purple, minor vapors, crystal and ash-rich, pumice poor

LOCATION COMMENTS: VOC-13

Tuff @ 7.0ft
TD @ 8.5ft

7-DAY TURN

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd
Gross α: 21
Gross β/γ: 1529

Gross Alpha 9/11/14 46.73 dpm

Gross Beta/Gamma 2390 dpm

PID Ambient Reading = 0.0 ppm
0.0

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A. Stocker	9/11/14 1645	K. Greene	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86047 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	↓
TIME COLLECTED (HH:MM):		1450 ~~2:18~~ 09-9-11-14	MEDIA:	QBT3	↓
PRS ID:	TA-21	↓	SAMPLE TECH CODE:	HSA	↓
LOCATION ID:	21-142	↓	FIELD PREP:	NA	↓
LOCATION TYPE:	21-142	DH	FIELD QC TYPE:	REG	↓
TOP DEPTH:	089/11/14	11.5ft	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:		12.0ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Tuff fedback; slightly welded, crystal + ash-rich, light purple to gray, pumice poor, minor mafics

TD@12.5ft
Tuff@11.0ft

7-DAY TURN

LOCATION COMMENTS: VOC-1S

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd
Gross α: 21
Gross β/γ: 1529

Gross Alpha 21 dpm

Gross Beta/Gamma 2670 dpm

PID Ambient Reading = 0.0 ppm

COLLECTED BY (PRINT) A. Stocker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A. Stocker	9/11/14 1645	K. Green	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86048 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/11/2014	FIELD MATRIX:	R	
TIME COLLECTED (HH:MM):		~~1537~~ 1539	MEDIA:	QBT3	
PRS ID:	TA-21		SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-143		FIELD PREP:	NA	
LOCATION TYPE:	21-143	BH	FIELD QC TYPE:	REG	
TOP DEPTH:	09/11/14	13.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		14.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
MA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	MA

SAMPLE COMMENTS: tuff bedrock; ~~very~~ highly welded, light purple-gray, minor mafics, crystals to ~~ft~~ -rich, pumice 09/11/14 poor TDC 14 ft tuff @ 13.0 ft

7-Day Turn

LOCATION COMMENTS: VOC-16 location

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd Gross α: 21 Gross β/γ: 1529

Gross Alpha 121 dpm

Gross Beta/Gamma 2140 dpm

PID Ambient Reading = 0.0 ppm

COLLECTED BY (PRINT) A. Stacker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A. Stacker	9/11/14 1645	K. Green	9/11/14 4:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86057 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09-11-2014 ~~9-11-14~~ AT 9-11-14	FIELD MATRIX:	S	OK
TIME COLLECTED (HH:MM):		1010	MEDIA:		
PRS ID:	TA-21	OK	SAMPLE TECH CODE:	DC	OK
LOCATION ID:	UNK	NA	FIELD PREP:	NA	↓
LOCATION TYPE:		↓	FIELD QC TYPE:	FTB	↓
TOP DEPTH:		↓	SAMPLE USAGE:	QC	↓
BOTTOM DEPTH:		↓	EXCAVATED:		YES (NO) / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: NA

LOCATION COMMENTS: Field ~~trib~~ trip black For all Field samples on 9-11-2014

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd
gross α = 21
gross β/γ = 1529

Alpha NA **dpm**

Beta/Gamma NA **dpm**

PID Ambient Reading = NA **ppm**

COLLECTED BY (PRINT)

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Austin Tosh (Signature) Austin Tosh	1645 9-11-14	(Printed Name) K. Greene (Signature)	9/11/14 16:45
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

DATA VALIDATION REPORT

Chain Of Custody No. 2014-4540

1. Distribution Of Samples In EDD.

SDG	Analytical Method	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks
356729	SW-846:8260B	8		1		

SDG	Analytical Method	Analysis Lot ID	Prep Lot ID	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks	Method Blanks	Matrix Spikes	Matrix Spike Dups	Analytical Spikes	Post-Digestion Spikes	Lab Control Samples	Lab Control Sample Dups	Blank Spike	Blank Spike Dups	Lab Duplicates	Storage Blanks	Preparation Blanks	Reagent Blanks
356729	SW-846:8260B	1420162	1420159	8		1			2					2							

2. Distribution Of Analytes In EDD.

Analytical Method	Analytical Method Category	Field Sample ID	Lab Sample ID	Sample Purpose	Target Analytes	Surrogates	Spiked Compounds	TICS
SW-846:8260B	VOC	HB	1203170090	MB	62	3	0	0
SW-846:8260B	VOC	LCS	1203169996	LCS	0	3	61	0
SW-846:8260B	VOC	LCS	1203169997	LCS	0	3	1	0
SW-846:8260B	VOC	MB	1203169995	MB	62	3	0	0
SW-846:8260B	VOC	MD21-14-86041	356729001	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86042	356729002	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86043	356729003	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86044	356729004	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86045	356729005	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86046	356729006	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86047	356729007	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86048	356729008	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86057	356729009	FTB	62	3	0	0

3. Are any analytes missing?

No.

4. Were any holding times exceeded?

DATA VALIDATION REPORT

No.

5. Any contaminants in blanks?

No.

6. Any surrogate recoveries outside the control limits?

No.

7. Any MS/MSD recoveries or RPDs outside the control limits?

No.

8. Any LCS/LCSD or BS/BSD recoveries or RPDs outside the control limits?

No.

9. Any Field Duplicate RPDs outside the desired limits?

No.

10. Any Lab Duplicate RPDs outside the desired limits?

No.

11. Any required reporting limits exceeded?

No.

12. Additional Validator's Comments.

DATA VALIDATION REPORT

13. Display Flagged Data.

None.

Reason Code	Description
U_LAB	The analytical laboratory qualified the analyte as not detected.

14. Usable Result Count.

Field Sample ID	Location ID	Sample Purpose	Analytical Method	No. Unuseable Records	Total Records
MD21-14-86041	21-136	REG	SW-846:8260B	0	62
MD21-14-86042	21-137	REG	SW-846:8260B	0	62
MD21-14-86043	21-138	REG	SW-846:8260B	0	62
MD21-14-86044	21-139	REG	SW-846:8260B	0	62
MD21-14-86045	21-140	REG	SW-846:8260B	0	62
MD21-14-86046	21-141	REG	SW-846:8260B	0	62
MD21-14-86047	21-142	REG	SW-846:8260B	0	62
MD21-14-86048	21-143	REG	SW-846:8260B	0	62
MD21-14-86057	UNK	FTB	SW-846:8260B	0	62

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178
www.gel.com

September 18, 2014

Mr. Keith Greene
Los Alamos National Laboratory
TA-03, SM271, Drop Pt. 02U, Rm111
Los Alamos, New Mexico 87545

Re: LANL ER
Work Order: 356729
SDG: 2014-4540

Dear Mr. Greene:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on September 13, 2014, and analyzed for GC/MS Volatile. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4485.

Sincerely,

Hope Taylor for
Valerie Davis
Project Manager

Chain of Custody: 2014-4540
Enclosures

ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Work Order #: 356729
SDG: 2014-4540

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Case Narrative

Case Narrative for
ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Workorder #: 356729
SDG # : 2014-4540

September 18, 2014

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on September 13, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. The samples were screened according to GEL Standard Operating Procedure. All sample containers arrived without any visible signs of tampering or breakage. Containers were checked for pH, where appropriate, and matched the preservative as documented on the accompanying chain of custody. Shipping container temperature was within specification (0 - 6C). Shipping container temperatures were checked, documented, and within specifications. There are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
356729001	MD21-14-86041
356729002	MD21-14-86042
356729003	MD21-14-86043
356729004	MD21-14-86044
356729005	MD21-14-86045
356729006	MD21-14-86046
356729007	MD21-14-86047
356729008	MD21-14-86048
356729009	MD21-14-86057

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: GC/MS Volatile.

I certify that this data report is in compliance with the terms and conditions of the subcontract and task order, both technically and for completeness, for other than the conditions detailed in the attached case narrative.

Hope Taylor for
Valerie Davis
Project Manager

List of current GEL Certifications as of 18 September 2014

State	Certification
Alaska	UST−110
Arkansas	88−0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH−0169
Delaware	SC000122013−10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330−12−00283, P330−12−00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013−10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C−SC−01
Kansas NELAP	E−10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M−SC012
Michigan	9976
Mississippi	SC000122013−10
Nebraska	NE−OS−26−13
Nevada	SC000122014−1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68−00485
Plant Material Permit	PDEP−12−00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235−14−9
Utah NELAP	SC000122014−14
Vermont	VT87156
Virginia NELAP	460202
Washington	C780−12
Wisconsin	999887790

Chain of Custody and Supporting Documentation

General Engineering Laboratories, Inc., Charleston, SC.
2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

356729

ADEP

COC/Lab Request #: 2014-4540

Page 1 of 1

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:
24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B
MD21-14-86041	Sep 11 2014	10:10	SO	1
MD21-14-86042	Sep 11 2014	10:28	SO	1
MD21-14-86043	Sep 11 2014	11:05	SO	1
MD21-14-86044	Sep 11 2014	11:35	SO	1
MD21-14-86045	Sep 11 2014	13:27	SO	1
MD21-14-86046	Sep 11 2014	13:52	SO	1
MD21-14-86047	Sep 11 2014	14:50	SO	1
MD21-14-86048	Sep 11 2014	15:39	SO	1
MD21-14-86057	Sep 11 2014	10:10	SO	1

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Sherri Sherwood	Sherri Sherwood	9/12/14 3pm	P. Nlent	Patricia Dent	9/13/14 0840

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: LANL	SDG/AR/COC/Work Order: 2014-4540
Received By: P. Nient	Date Received: 9/13/14

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 cpm
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample contatiners < action levels?
COC/Samples marked containing PCBs?		X	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	X			Preservation Method: Ice bags Blue ice Dry ice None Other (describe) 3,4c *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?	X			Sample ID's and containers affected:
7	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
11	Number of containers received match number indicated on COC?			X	Sample ID's affected: SEE BELOW CALA-14-86013 did not receive G/A-B container.
12	Are sample containers identifiable as GEL provided?			X	
13	COC form is properly signed in relinquished/received sections?	X			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 5908 1777 7444 5908 1777 7433 } 4c 5908 1777 7422 - 3c

Comments (Use Continuation Form if needed): INT_IPC-14-56012 Lab did not receive A PH container, rec'd (3) Containers instead of 4. RA226+228. WT_IPC-14-55836 did not receive DOC, SO4-Cl, CALA-14-86004 receive (1) EDB-8011 + 8260b Container Chain indicates (2).

PM (or PMA) review: Initials ____ Date 09/15/14 Page 1 of 1

Subject: Sample receipt issue from 09/13/14
From: Pat Dent <Pat.Dent@gel.com>
Date: 9/13/2014 2:35 PM
To: "Keith R. Greene" <kgreene@lanl.gov>
CC: "team.davis" <team.davis@gel.com>, LANL@amrad.com, npatel@lanl.gov

RN#2014-4542
WT_IPC-14-56012
Lab did not receive a ph container, received 3-Ra226+228 containers chain indicates 4.
WT_IPC-14-55836 lab did not received a container for DOC,SO4-Cl

RN#2014-4539
CALA-14-86004 lab received 1-container each for EDB-8011 and 8260b chain indicates 2-each.
CALA-14-86013 lab did not receive containers for G/A-B, AM241 PLEASE ADVISE!!
Thanks!!

--
Patricia Dent
Project Manager Assistant
GEL Laboratories, LLC
2040 Savage Rd.
Charleston, S.C. 29407
Main: 843-556-8171 Ext 4264
Fax: 843-766-1178
Email: pad@gel.com
Web: www.gel.com

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 12SEP14
ACTWGT: 40.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR1A015AGWM0

4c

FedEx Express

3 of 3
MPS# 0263 5908 1777 7444
Mstr# 5908 1777 7422

0201

SATURDAY 12:00
PRIORITY OVERNIGHT

XO CHSA

29407
SC-US CHS

Part # 156148-434 RITZ 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 12SEP14
ACTWGT: 52.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR1A015AGWM0

4c

FedEx Express

2 of 3
MPS# 0263 5908 1777 7433
Mstr# 5908 1777 7422

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

XO CHSA

29407
SC-US CHS

Part # 156148-434 RITZ 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 12SEP14
ACTWGT: 52.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR1A015AGWM0

3c

FedEx Express

1 of 3
TRK# 0201 5908 1777 7422
MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO CHSA

29407
SC-US CHS

Part # 156148-434 RITZ 10/11

Data Review Qualifier Flag Definition Sheet

Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.

P Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference. For HPLC, the difference is >70%.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile Analysis

Case Narrative

Method/Analysis Information

Procedure:	**Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer**
Analytical Method:	SW846 8260B
Prep Method:	SW846 5030
Analytical Batch Number:	1420162
Prep Batch Number:	1420159

Sample Analysis

The following client and quality control samples were analyzed to complete this SDG using the methods referenced in the Analysis Information section:

Sample ID	Client ID
356729001	MD21-14-86041
356729002	MD21-14-86042
356729003	MD21-14-86043
356729004	MD21-14-86044
356729005	MD21-14-86045
356729006	MD21-14-86046
356729007	MD21-14-86047
356729008	MD21-14-86048
356729009	MD21-14-86057
1203169995	Method Blank (MB)
1203169996	Laboratory Control Sample (LCS)
1203169997	Laboratory Control Sample (LCS)
1203169998	356729001(MD21-14-86041) Post Spike (PS)
1203169999	356729001(MD21-14-86041) Post Spike (PS)
1203170000	356729001(MD21-14-86041) Post Spike Duplicate (PSD)
1203170001	356729001(MD21-14-86041) Post Spike Duplicate (PSD)
1203170090	High Blank (HB)

NOTE: For volatile organic analyses the matrix spike designations may be indicated as "PS" or "PSD". The "PS" designation (post spike) indicates that the matrix was fortified prior to analysis but after applying any prep factors, such as a dilution. The laboratory considers the MS/MSD and PS/PSD designations interchangeable.

The data results reported met all SOP and method criteria, unless otherwise discussed below.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with

GL-OA-E-038 REV# 21.

Calibration Information

A complete list of the initial calibration data files with the correct dates and times of analysis are shown in the Calibration History report located in the Standard Data section of the data package. The surrogate compounds were calibrated using a minimum five-point calibration curve. The surrogates wereadded by the auto sampler at a concentration of 50 ug/L or 20 ug/L for low level analyses. GEL Laboratories LLC will not have surrogate recoveries reported for Dibromofluoromethane. This is due to increased regulations for this analyte and an industry shortage.

Initial Calibration
At the request of the client, linear curve fits, for target analytes that did not meet the x-intercept criteria of less than or equal to 3 times the MDL and had %RSDs less than 60%, were set to use the average response factor to quantitate data in this SDG.

Continuing Calibration Verification Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Blank (MB) Statement
The blank analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
Surrogate recoveries in all client and quality control samples were within the acceptance limits.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

QC Sample Designation
Sample 356729001 (MD21-14-86041) was designated for spike analysis.

Matrix Spike (PS) Recovery Statement
The spike recoveries were within the required acceptance limits.

Matrix Spike Duplicate (PSD) Recovery Statement
The spike duplicate recoveries were within the required acceptance limits.

Relative Percent Difference (RPD) Statement
The RPDs between the matrix spike pair met the acceptance limits.

Internal Standard (ISTD) Acceptance
The internal standard responses in all client and quality control samples met the required acceptance criteria.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Sample Preservation and Integrity
All samples met the sample preservation and integrity requirements.

Sample Dilutions/Methanol Dilutions
Samples were analyzed using a methanol dilution extraction procedure because the sample matrices were not amenable to more concentrated analyses. The samples were methanol extracted due to sample matrices consisting of large rock type, "fluffy", and sandy solids.

Sample Re-extraction/Re-analysis
Re-analyses were not required for samples in this SDG.

Holding Times

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration.

Miscellaneous Information

Electronic Packaging Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative will include the data validator's signature and title. The signature page also includes the data qualifiers used in the fractional package. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Data Exception (DER) Documentation
Data exception reports (DERs) are generated to document procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Manual Integrations
Data files associated with the initial calibration, continuing calibration check, and samples did not require manual integrations.

TIC Comment
Tentatively identified compounds (TIC) may be requested for samples in this delivery group/work order. Please note that non-requested calibrated analytes detected in a client sample may be reported on the Form 1/Certificate of Analysis as TICs. TIC data, if requested, are included on the Sample Data Summary (Form 1) and are also included with the sample raw data.

Additional Comments
Additional comments were not required for this SDG.

Residual Chlorine
Residual Chlorine was not detected in any of the samples in this SDG.

System Configuration

The Volatile-GC/MS analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description	P & T Trap

VOA9.I	Agilent 6890/5973 GC/MS w/ OI Eclipse/Archon Autosampler	HP6890/HP5973	DB-624	J&W, 60m x 0.25mm x 1.4um	Trap 10

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

ARSL004 ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)

Client SDG: 2014-4540 GEL Work Order: 356729

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Erin Haubert **Name: Erin Haubert**

Date: 19 SEP 2014 **Title: Data Validator**

Sample Data Summary

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**356729001**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86041**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 12:54**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E413.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.7	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	527	ug/kg	176	527
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	527	ug/kg	176	527
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	527	ug/kg	176	527
67-64-1	Acetone	U	527	ug/kg	176	527
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	527	ug/kg	176	527
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**356729001**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86041**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 12:54**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E413.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	527	ug/kg	176	527
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	527	ug/kg	176	527
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	527	ug/kg	176	527
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.3	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.197	671	ug/kg	0	J
	unknown	5.674	731	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:28**	**Matrix:**	**SO**
Lab Sample ID:	**356729002**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86042**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 13:23**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:12**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E414.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.7	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	527	ug/kg	176	527
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	527	ug/kg	176	527
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	527	ug/kg	176	527
67-64-1	Acetone	U	527	ug/kg	176	527
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	527	ug/kg	176	527
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:28**	**Matrix:**	**SO**
Lab Sample ID:	**356729002**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86042**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 13:23**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:12**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E414.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	527	ug/kg	176	527
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	527	ug/kg	176	527
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	527	ug/kg	176	527
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.3	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	618	ug/kg	0	J
	unknown	5.674	723	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 11:05**	**Matrix:**	**SO**
Lab Sample ID:	**356729003**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**3.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86043**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 13:51**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:13**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E415.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	104	ug/kg	34.7	104
71-55-6	1,1,1-Trichloroethane	U	104	ug/kg	34.7	104
79-34-5	1,1,2,2-Tetrachloroethane	U	104	ug/kg	34.7	104
79-00-5	1,1,2-Trichloroethane	U	104	ug/kg	34.7	104
75-34-3	1,1-Dichloroethane	U	104	ug/kg	34.7	104
75-35-4	1,1-Dichloroethylene	U	104	ug/kg	34.7	104
563-58-6	1,1-Dichloropropene	U	104	ug/kg	34.7	104
96-18-4	1,2,3-Trichloropropane	U	104	ug/kg	34.7	104
95-63-6	1,2,4-Trimethylbenzene	U	104	ug/kg	34.7	104
96-12-8	1,2-Dibromo-3-chloropropane	U	104	ug/kg	52.0	104
106-93-4	1,2-Dibromoethane	U	104	ug/kg	34.7	104
95-50-1	1,2-Dichlorobenzene	U	104	ug/kg	34.7	104
107-06-2	1,2-Dichloroethane	U	104	ug/kg	34.7	104
78-87-5	1,2-Dichloropropane	U	104	ug/kg	34.7	104
108-67-8	1,3,5-Trimethylbenzene	U	104	ug/kg	34.7	104
541-73-1	1,3-Dichlorobenzene	U	104	ug/kg	34.7	104
142-28-9	1,3-Dichloropropane	U	104	ug/kg	34.7	104
106-46-7	1,4-Dichlorobenzene	U	104	ug/kg	34.7	104
594-20-7	2,2-Dichloropropane	U	104	ug/kg	34.7	104
78-93-3	2-Butanone	U	520	ug/kg	173	520
95-49-8	2-Chlorotoluene	U	104	ug/kg	34.7	104
591-78-6	2-Hexanone	U	520	ug/kg	173	520
106-43-4	4-Chlorotoluene	U	104	ug/kg	34.7	104
99-87-6	4-Isopropyltoluene	U	104	ug/kg	34.7	104
108-10-1	4-Methyl-2-pentanone	U	520	ug/kg	173	520
67-64-1	Acetone	U	520	ug/kg	173	520
71-43-2	Benzene	U	104	ug/kg	34.7	104
108-86-1	Bromobenzene	U	104	ug/kg	34.7	104
74-97-5	Bromochloromethane	U	104	ug/kg	34.7	104
75-27-4	Bromodichloromethane	U	104	ug/kg	34.7	104
75-25-2	Bromoform	U	104	ug/kg	34.7	104
74-83-9	Bromomethane	U	104	ug/kg	34.7	104
75-15-0	Carbon disulfide	U	520	ug/kg	173	520
56-23-5	Carbon tetrachloride	U	104	ug/kg	34.7	104
108-90-7	Chlorobenzene	U	104	ug/kg	34.7	104
75-00-3	Chloroethane	U	104	ug/kg	34.7	104
67-66-3	Chloroform	U	104	ug/kg	34.7	104
74-87-3	Chloromethane	U	104	ug/kg	34.7	104

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 11:05**	**Matrix:**	**SO**
Lab Sample ID:	**356729003**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**3.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86043**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 13:51**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:13**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E415.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	104	ug/kg	34.7	104
74-95-3	Dibromomethane	U	104	ug/kg	34.7	104
75-71-8	Dichlorodifluoromethane	U	104	ug/kg	34.7	104
100-41-4	Ethylbenzene	U	104	ug/kg	34.7	104
74-88-4	Iodomethane	U	520	ug/kg	173	520
98-82-8	Isopropylbenzene	U	104	ug/kg	34.7	104
75-09-2	Methylene chloride	U	520	ug/kg	173	520
100-42-5	Styrene	U	104	ug/kg	34.7	104
127-18-4	Tetrachloroethylene	U	104	ug/kg	34.7	104
108-88-3	Toluene	U	104	ug/kg	34.7	104
79-01-6	Trichloroethylene	U	104	ug/kg	34.7	104
75-69-4	Trichlorofluoromethane	U	104	ug/kg	34.7	104
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	520	ug/kg	173	520
75-01-4	Vinyl chloride	U	104	ug/kg	34.7	104
156-59-2	cis-1,2-Dichloroethylene	U	104	ug/kg	34.7	104
10061-01-5	cis-1,3-Dichloropropylene	U	104	ug/kg	34.7	104
179601-23-1	m,p-Xylenes	U	208	ug/kg	69.4	208
104-51-8	n-Butylbenzene	U	104	ug/kg	34.7	104
103-65-1	n-Propylbenzene	U	104	ug/kg	34.7	104
95-47-6	o-Xylene	U	104	ug/kg	34.7	104
135-98-8	sec-Butylbenzene	U	104	ug/kg	34.7	104
98-06-6	tert-Butylbenzene	U	104	ug/kg	34.7	104
156-60-5	trans-1,2-Dichloroethylene	U	104	ug/kg	34.7	104
10061-02-6	trans-1,3-Dichloropropylene	U	104	ug/kg	34.7	104

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	637	ug/kg	0	J
	unknown	5.627	737	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 11:35**	**Matrix:**	**SO**
Lab Sample ID:	**356729004**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**6.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86044**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 14:20**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:14**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E416.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	107	ug/kg	35.5	107
71-55-6	1,1,1-Trichloroethane	U	107	ug/kg	35.5	107
79-34-5	1,1,2,2-Tetrachloroethane	U	107	ug/kg	35.5	107
79-00-5	1,1,2-Trichloroethane	U	107	ug/kg	35.5	107
75-34-3	1,1-Dichloroethane	U	107	ug/kg	35.5	107
75-35-4	1,1-Dichloroethylene	U	107	ug/kg	35.5	107
563-58-6	1,1-Dichloropropene	U	107	ug/kg	35.5	107
96-18-4	1,2,3-Trichloropropane	U	107	ug/kg	35.5	107
95-63-6	1,2,4-Trimethylbenzene	U	107	ug/kg	35.5	107
96-12-8	1,2-Dibromo-3-chloropropane	U	107	ug/kg	53.3	107
106-93-4	1,2-Dibromoethane	U	107	ug/kg	35.5	107
95-50-1	1,2-Dichlorobenzene	U	107	ug/kg	35.5	107
107-06-2	1,2-Dichloroethane	U	107	ug/kg	35.5	107
78-87-5	1,2-Dichloropropane	U	107	ug/kg	35.5	107
108-67-8	1,3,5-Trimethylbenzene	U	107	ug/kg	35.5	107
541-73-1	1,3-Dichlorobenzene	U	107	ug/kg	35.5	107
142-28-9	1,3-Dichloropropane	U	107	ug/kg	35.5	107
106-46-7	1,4-Dichlorobenzene	U	107	ug/kg	35.5	107
594-20-7	2,2-Dichloropropane	U	107	ug/kg	35.5	107
78-93-3	2-Butanone	U	533	ug/kg	178	533
95-49-8	2-Chlorotoluene	U	107	ug/kg	35.5	107
591-78-6	2-Hexanone	U	533	ug/kg	178	533
106-43-4	4-Chlorotoluene	U	107	ug/kg	35.5	107
99-87-6	4-Isopropyltoluene	U	107	ug/kg	35.5	107
108-10-1	4-Methyl-2-pentanone	U	533	ug/kg	178	533
67-64-1	Acetone	U	533	ug/kg	178	533
71-43-2	Benzene	U	107	ug/kg	35.5	107
108-86-1	Bromobenzene	U	107	ug/kg	35.5	107
74-97-5	Bromochloromethane	U	107	ug/kg	35.5	107
75-27-4	Bromodichloromethane	U	107	ug/kg	35.5	107
75-25-2	Bromoform	U	107	ug/kg	35.5	107
74-83-9	Bromomethane	U	107	ug/kg	35.5	107
75-15-0	Carbon disulfide	U	533	ug/kg	178	533
56-23-5	Carbon tetrachloride	U	107	ug/kg	35.5	107
108-90-7	Chlorobenzene	U	107	ug/kg	35.5	107
75-00-3	Chloroethane	U	107	ug/kg	35.5	107
67-66-3	Chloroform	U	107	ug/kg	35.5	107
74-87-3	Chloromethane	U	107	ug/kg	35.5	107

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 11:35**	**Matrix:**	**SO**
Lab Sample ID:	**356729004**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**6.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86044**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 14:20**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:14**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E416.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	107	ug/kg	35.5	107
74-95-3	Dibromomethane	U	107	ug/kg	35.5	107
75-71-8	Dichlorodifluoromethane	U	107	ug/kg	35.5	107
100-41-4	Ethylbenzene	U	107	ug/kg	35.5	107
74-88-4	Iodomethane	U	533	ug/kg	178	533
98-82-8	Isopropylbenzene	U	107	ug/kg	35.5	107
75-09-2	Methylene chloride	U	533	ug/kg	178	533
100-42-5	Styrene	U	107	ug/kg	35.5	107
127-18-4	Tetrachloroethylene	U	107	ug/kg	35.5	107
108-88-3	Toluene	U	107	ug/kg	35.5	107
79-01-6	Trichloroethylene	U	107	ug/kg	35.5	107
75-69-4	Trichlorofluoromethane	U	107	ug/kg	35.5	107
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	533	ug/kg	178	533
75-01-4	Vinyl chloride	U	107	ug/kg	35.5	107
156-59-2	cis-1,2-Dichloroethylene	U	107	ug/kg	35.5	107
10061-01-5	cis-1,3-Dichloropropylene	U	107	ug/kg	35.5	107
179601-23-1	m,p-Xylenes	U	213	ug/kg	71.1	213
104-51-8	n-Butylbenzene	U	107	ug/kg	35.5	107
103-65-1	n-Propylbenzene	U	107	ug/kg	35.5	107
95-47-6	o-Xylene	U	107	ug/kg	35.5	107
135-98-8	sec-Butylbenzene	U	107	ug/kg	35.5	107
98-06-6	tert-Butylbenzene	U	107	ug/kg	35.5	107
156-60-5	trans-1,2-Dichloroethylene	U	107	ug/kg	35.5	107
10061-02-6	trans-1,3-Dichloropropylene	U	107	ug/kg	35.5	107

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	642	ug/kg	0	J
	unknown	5.662	745	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 13:27**	**Matrix:**	**SO**
Lab Sample ID:	**356729005**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**9.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86045**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 14:48**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:15**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E417.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	111	ug/kg	36.9	111
71-55-6	1,1,1-Trichloroethane	U	111	ug/kg	36.9	111
79-34-5	1,1,2,2-Tetrachloroethane	U	111	ug/kg	36.9	111
79-00-5	1,1,2-Trichloroethane	U	111	ug/kg	36.9	111
75-34-3	1,1-Dichloroethane	U	111	ug/kg	36.9	111
75-35-4	1,1-Dichloroethylene	U	111	ug/kg	36.9	111
563-58-6	1,1-Dichloropropene	U	111	ug/kg	36.9	111
96-18-4	1,2,3-Trichloropropane	U	111	ug/kg	36.9	111
95-63-6	1,2,4-Trimethylbenzene	U	111	ug/kg	36.9	111
96-12-8	1,2-Dibromo-3-chloropropane	U	111	ug/kg	55.3	111
106-93-4	1,2-Dibromoethane	U	111	ug/kg	36.9	111
95-50-1	1,2-Dichlorobenzene	U	111	ug/kg	36.9	111
107-06-2	1,2-Dichloroethane	U	111	ug/kg	36.9	111
78-87-5	1,2-Dichloropropane	U	111	ug/kg	36.9	111
108-67-8	1,3,5-Trimethylbenzene	U	111	ug/kg	36.9	111
541-73-1	1,3-Dichlorobenzene	U	111	ug/kg	36.9	111
142-28-9	1,3-Dichloropropane	U	111	ug/kg	36.9	111
106-46-7	1,4-Dichlorobenzene	U	111	ug/kg	36.9	111
594-20-7	2,2-Dichloropropane	U	111	ug/kg	36.9	111
78-93-3	2-Butanone	U	553	ug/kg	185	553
95-49-8	2-Chlorotoluene	U	111	ug/kg	36.9	111
591-78-6	2-Hexanone	U	553	ug/kg	185	553
106-43-4	4-Chlorotoluene	U	111	ug/kg	36.9	111
99-87-6	4-Isopropyltoluene	U	111	ug/kg	36.9	111
108-10-1	4-Methyl-2-pentanone	U	553	ug/kg	185	553
67-64-1	Acetone	U	553	ug/kg	185	553
71-43-2	Benzene	U	111	ug/kg	36.9	111
108-86-1	Bromobenzene	U	111	ug/kg	36.9	111
74-97-5	Bromochloromethane	U	111	ug/kg	36.9	111
75-27-4	Bromodichloromethane	U	111	ug/kg	36.9	111
75-25-2	Bromoform	U	111	ug/kg	36.9	111
74-83-9	Bromomethane	U	111	ug/kg	36.9	111
75-15-0	Carbon disulfide	U	553	ug/kg	185	553
56-23-5	Carbon tetrachloride	U	111	ug/kg	36.9	111
108-90-7	Chlorobenzene	U	111	ug/kg	36.9	111
75-00-3	Chloroethane	U	111	ug/kg	36.9	111
67-66-3	Chloroform	U	111	ug/kg	36.9	111
74-87-3	Chloromethane	U	111	ug/kg	36.9	111

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 13:27**	**Matrix:**	**SO**
Lab Sample ID:	**356729005**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**9.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86045**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 14:48**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:15**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E417.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	111	ug/kg	36.9	111
74-95-3	Dibromomethane	U	111	ug/kg	36.9	111
75-71-8	Dichlorodifluoromethane	U	111	ug/kg	36.9	111
100-41-4	Ethylbenzene	U	111	ug/kg	36.9	111
74-88-4	Iodomethane	U	553	ug/kg	185	553
98-82-8	Isopropylbenzene	U	111	ug/kg	36.9	111
75-09-2	Methylene chloride	U	553	ug/kg	185	553
100-42-5	Styrene	U	111	ug/kg	36.9	111
127-18-4	Tetrachloroethylene	U	111	ug/kg	36.9	111
108-88-3	Toluene	U	111	ug/kg	36.9	111
79-01-6	Trichloroethylene	U	111	ug/kg	36.9	111
75-69-4	Trichlorofluoromethane	U	111	ug/kg	36.9	111
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	553	ug/kg	185	553
75-01-4	Vinyl chloride	U	111	ug/kg	36.9	111
156-59-2	cis-1,2-Dichloroethylene	U	111	ug/kg	36.9	111
10061-01-5	cis-1,3-Dichloropropylene	U	111	ug/kg	36.9	111
179601-23-1	m,p-Xylenes	U	221	ug/kg	73.8	221
104-51-8	n-Butylbenzene	U	111	ug/kg	36.9	111
103-65-1	n-Propylbenzene	U	111	ug/kg	36.9	111
95-47-6	o-Xylene	U	111	ug/kg	36.9	111
135-98-8	sec-Butylbenzene	U	111	ug/kg	36.9	111
98-06-6	tert-Butylbenzene	U	111	ug/kg	36.9	111
156-60-5	trans-1,2-Dichloroethylene	U	111	ug/kg	36.9	111
10061-02-6	trans-1,3-Dichloropropylene	U	111	ug/kg	36.9	111

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	658	ug/kg	0	J
	unknown	5.686	821	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 13:52**	**Matrix:**	**SO**
Lab Sample ID:	**356729006**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.5**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86046**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 15:16**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:16**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E418.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	106	ug/kg	35.2	106
71-55-6	1,1,1-Trichloroethane	U	106	ug/kg	35.2	106
79-34-5	1,1,2,2-Tetrachloroethane	U	106	ug/kg	35.2	106
79-00-5	1,1,2-Trichloroethane	U	106	ug/kg	35.2	106
75-34-3	1,1-Dichloroethane	U	106	ug/kg	35.2	106
75-35-4	1,1-Dichloroethylene	U	106	ug/kg	35.2	106
563-58-6	1,1-Dichloropropene	U	106	ug/kg	35.2	106
96-18-4	1,2,3-Trichloropropane	U	106	ug/kg	35.2	106
95-63-6	1,2,4-Trimethylbenzene	U	106	ug/kg	35.2	106
96-12-8	1,2-Dibromo-3-chloropropane	U	106	ug/kg	52.9	106
106-93-4	1,2-Dibromoethane	U	106	ug/kg	35.2	106
95-50-1	1,2-Dichlorobenzene	U	106	ug/kg	35.2	106
107-06-2	1,2-Dichloroethane	U	106	ug/kg	35.2	106
78-87-5	1,2-Dichloropropane	U	106	ug/kg	35.2	106
108-67-8	1,3,5-Trimethylbenzene	U	106	ug/kg	35.2	106
541-73-1	1,3-Dichlorobenzene	U	106	ug/kg	35.2	106
142-28-9	1,3-Dichloropropane	U	106	ug/kg	35.2	106
106-46-7	1,4-Dichlorobenzene	U	106	ug/kg	35.2	106
594-20-7	2,2-Dichloropropane	U	106	ug/kg	35.2	106
78-93-3	2-Butanone	U	529	ug/kg	176	529
95-49-8	2-Chlorotoluene	U	106	ug/kg	35.2	106
591-78-6	2-Hexanone	U	529	ug/kg	176	529
106-43-4	4-Chlorotoluene	U	106	ug/kg	35.2	106
99-87-6	4-Isopropyltoluene	U	106	ug/kg	35.2	106
108-10-1	4-Methyl-2-pentanone	U	529	ug/kg	176	529
67-64-1	Acetone	U	529	ug/kg	176	529
71-43-2	Benzene	U	106	ug/kg	35.2	106
108-86-1	Bromobenzene	U	106	ug/kg	35.2	106
74-97-5	Bromochloromethane	U	106	ug/kg	35.2	106
75-27-4	Bromodichloromethane	U	106	ug/kg	35.2	106
75-25-2	Bromoform	U	106	ug/kg	35.2	106
74-83-9	Bromomethane	U	106	ug/kg	35.2	106
75-15-0	Carbon disulfide	U	529	ug/kg	176	529
56-23-5	Carbon tetrachloride	U	106	ug/kg	35.2	106
108-90-7	Chlorobenzene	U	106	ug/kg	35.2	106
75-00-3	Chloroethane	U	106	ug/kg	35.2	106
67-66-3	Chloroform	U	106	ug/kg	35.2	106
74-87-3	Chloromethane	U	106	ug/kg	35.2	106

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 13:52**	**Matrix:**	**SO**
Lab Sample ID:	**356729006**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.5**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86046**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 15:16**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:16**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E418.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	106	ug/kg	35.2	106
74-95-3	Dibromomethane	U	106	ug/kg	35.2	106
75-71-8	Dichlorodifluoromethane	U	106	ug/kg	35.2	106
100-41-4	Ethylbenzene	U	106	ug/kg	35.2	106
74-88-4	Iodomethane	U	529	ug/kg	176	529
98-82-8	Isopropylbenzene	U	106	ug/kg	35.2	106
75-09-2	Methylene chloride	U	529	ug/kg	176	529
100-42-5	Styrene	U	106	ug/kg	35.2	106
127-18-4	Tetrachloroethylene	U	106	ug/kg	35.2	106
108-88-3	Toluene	U	106	ug/kg	35.2	106
79-01-6	Trichloroethylene	U	106	ug/kg	35.2	106
75-69-4	Trichlorofluoromethane	U	106	ug/kg	35.2	106
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	529	ug/kg	176	529
75-01-4	Vinyl chloride	U	106	ug/kg	35.2	106
156-59-2	cis-1,2-Dichloroethylene	U	106	ug/kg	35.2	106
10061-01-5	cis-1,3-Dichloropropylene	U	106	ug/kg	35.2	106
179601-23-1	m,p-Xylenes	U	212	ug/kg	70.6	212
104-51-8	n-Butylbenzene	U	106	ug/kg	35.2	106
103-65-1	n-Propylbenzene	U	106	ug/kg	35.2	106
95-47-6	o-Xylene	U	106	ug/kg	35.2	106
135-98-8	sec-Butylbenzene	U	106	ug/kg	35.2	106
98-06-6	tert-Butylbenzene	U	106	ug/kg	35.2	106
156-60-5	trans-1,2-Dichloroethylene	U	106	ug/kg	35.2	106
10061-02-6	trans-1,3-Dichloropropylene	U	106	ug/kg	35.2	106

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	637	ug/kg	0	J
	unknown	5.663	717	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 14:50**	**Matrix:**	**SO**
Lab Sample ID:	**356729007**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**8.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86047**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 15:44**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:17**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E419.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	109	ug/kg	36.2	109
71-55-6	1,1,1-Trichloroethane	U	109	ug/kg	36.2	109
79-34-5	1,1,2,2-Tetrachloroethane	U	109	ug/kg	36.2	109
79-00-5	1,1,2-Trichloroethane	U	109	ug/kg	36.2	109
75-34-3	1,1-Dichloroethane	U	109	ug/kg	36.2	109
75-35-4	1,1-Dichloroethylene	U	109	ug/kg	36.2	109
563-58-6	1,1-Dichloropropene	U	109	ug/kg	36.2	109
96-18-4	1,2,3-Trichloropropane	U	109	ug/kg	36.2	109
95-63-6	1,2,4-Trimethylbenzene	U	109	ug/kg	36.2	109
96-12-8	1,2-Dibromo-3-chloropropane	U	109	ug/kg	54.4	109
106-93-4	1,2-Dibromoethane	U	109	ug/kg	36.2	109
95-50-1	1,2-Dichlorobenzene	U	109	ug/kg	36.2	109
107-06-2	1,2-Dichloroethane	U	109	ug/kg	36.2	109
78-87-5	1,2-Dichloropropane	U	109	ug/kg	36.2	109
108-67-8	1,3,5-Trimethylbenzene	U	109	ug/kg	36.2	109
541-73-1	1,3-Dichlorobenzene	U	109	ug/kg	36.2	109
142-28-9	1,3-Dichloropropane	U	109	ug/kg	36.2	109
106-46-7	1,4-Dichlorobenzene	U	109	ug/kg	36.2	109
594-20-7	2,2-Dichloropropane	U	109	ug/kg	36.2	109
78-93-3	2-Butanone	U	544	ug/kg	181	544
95-49-8	2-Chlorotoluene	U	109	ug/kg	36.2	109
591-78-6	2-Hexanone	U	544	ug/kg	181	544
106-43-4	4-Chlorotoluene	U	109	ug/kg	36.2	109
99-87-6	4-Isopropyltoluene	U	109	ug/kg	36.2	109
108-10-1	4-Methyl-2-pentanone	U	544	ug/kg	181	544
67-64-1	Acetone	U	544	ug/kg	181	544
71-43-2	Benzene	U	109	ug/kg	36.2	109
108-86-1	Bromobenzene	U	109	ug/kg	36.2	109
74-97-5	Bromochloromethane	U	109	ug/kg	36.2	109
75-27-4	Bromodichloromethane	U	109	ug/kg	36.2	109
75-25-2	Bromoform	U	109	ug/kg	36.2	109
74-83-9	Bromomethane	U	109	ug/kg	36.2	109
75-15-0	Carbon disulfide	U	544	ug/kg	181	544
56-23-5	Carbon tetrachloride	U	109	ug/kg	36.2	109
108-90-7	Chlorobenzene	U	109	ug/kg	36.2	109
75-00-3	Chloroethane	U	109	ug/kg	36.2	109
67-66-3	Chloroform	U	109	ug/kg	36.2	109
74-87-3	Chloromethane	U	109	ug/kg	36.2	109

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 14:50**	**Matrix:**	**SO**
Lab Sample ID:	**356729007**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**8.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86047**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 15:44**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:17**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E419.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	109	ug/kg	36.2	109
74-95-3	Dibromomethane	U	109	ug/kg	36.2	109
75-71-8	Dichlorodifluoromethane	U	109	ug/kg	36.2	109
100-41-4	Ethylbenzene	U	109	ug/kg	36.2	109
74-88-4	Iodomethane	U	544	ug/kg	181	544
98-82-8	Isopropylbenzene	U	109	ug/kg	36.2	109
75-09-2	Methylene chloride	U	544	ug/kg	181	544
100-42-5	Styrene	U	109	ug/kg	36.2	109
127-18-4	Tetrachloroethylene	U	109	ug/kg	36.2	109
108-88-3	Toluene	U	109	ug/kg	36.2	109
79-01-6	Trichloroethylene	U	109	ug/kg	36.2	109
75-69-4	Trichlorofluoromethane	U	109	ug/kg	36.2	109
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	544	ug/kg	181	544
75-01-4	Vinyl chloride	U	109	ug/kg	36.2	109
156-59-2	cis-1,2-Dichloroethylene	U	109	ug/kg	36.2	109
10061-01-5	cis-1,3-Dichloropropylene	U	109	ug/kg	36.2	109
179601-23-1	m,p-Xylenes	U	218	ug/kg	72.6	218
104-51-8	n-Butylbenzene	U	109	ug/kg	36.2	109
103-65-1	n-Propylbenzene	U	109	ug/kg	36.2	109
95-47-6	o-Xylene	U	109	ug/kg	36.2	109
135-98-8	sec-Butylbenzene	U	109	ug/kg	36.2	109
98-06-6	tert-Butylbenzene	U	109	ug/kg	36.2	109
156-60-5	trans-1,2-Dichloroethylene	U	109	ug/kg	36.2	109
10061-02-6	trans-1,3-Dichloropropylene	U	109	ug/kg	36.2	109

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	652	ug/kg	0	J
	unknown	5.627	762	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 15:39**	**Matrix:**	**SO**
Lab Sample ID:	**356729008**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**4.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86048**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 16:12**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:18**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E420.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.0	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.0	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.0	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.0	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.0	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.0	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.0	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.0	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.0	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.5	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.0	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.0	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.0	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.0	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.0	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.0	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.0	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.0	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.0	105
78-93-3	2-Butanone	U	525	ug/kg	175	525
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.0	105
591-78-6	2-Hexanone	U	525	ug/kg	175	525
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.0	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.0	105
108-10-1	4-Methyl-2-pentanone	U	525	ug/kg	175	525
67-64-1	Acetone	U	525	ug/kg	175	525
71-43-2	Benzene	U	105	ug/kg	35.0	105
108-86-1	Bromobenzene	U	105	ug/kg	35.0	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.0	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.0	105
75-25-2	Bromoform	U	105	ug/kg	35.0	105
74-83-9	Bromomethane	U	105	ug/kg	35.0	105
75-15-0	Carbon disulfide	U	525	ug/kg	175	525
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.0	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.0	105
75-00-3	Chloroethane	U	105	ug/kg	35.0	105
67-66-3	Chloroform	U	105	ug/kg	35.0	105
74-87-3	Chloromethane	U	105	ug/kg	35.0	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 15:39**	**Matrix:**	**SO**
Lab Sample ID:	**356729008**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**4.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86048**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 16:12**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:18**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E420.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.0	105
74-95-3	Dibromomethane	U	105	ug/kg	35.0	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.0	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.0	105
74-88-4	Iodomethane	U	525	ug/kg	175	525
98-82-8	Isopropylbenzene	U	105	ug/kg	35.0	105
75-09-2	Methylene chloride	U	525	ug/kg	175	525
100-42-5	Styrene	U	105	ug/kg	35.0	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.0	105
108-88-3	Toluene	U	105	ug/kg	35.0	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.0	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.0	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	525	ug/kg	175	525
75-01-4	Vinyl chloride	U	105	ug/kg	35.0	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.0	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.0	105
179601-23-1	m,p-Xylenes	U	210	ug/kg	70.0	210
104-51-8	n-Butylbenzene	U	105	ug/kg	35.0	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.0	105
95-47-6	o-Xylene	U	105	ug/kg	35.0	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.0	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.0	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.0	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.0	105

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.212	628	ug/kg	0	J
	unknown	5.663	842	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**356729009**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**0**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86057**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 12:26**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:19**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E412.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	2.00	ug/kg	0.666	2.00
71-55-6	1,1,1-Trichloroethane	U	2.00	ug/kg	0.666	2.00
79-34-5	1,1,2,2-Tetrachloroethane	U	2.00	ug/kg	0.666	2.00
79-00-5	1,1,2-Trichloroethane	U	2.00	ug/kg	0.666	2.00
75-34-3	1,1-Dichloroethane	U	2.00	ug/kg	0.666	2.00
75-35-4	1,1-Dichloroethylene	U	2.00	ug/kg	0.666	2.00
563-58-6	1,1-Dichloropropene	U	2.00	ug/kg	0.666	2.00
96-18-4	1,2,3-Trichloropropane	U	2.00	ug/kg	0.666	2.00
95-63-6	1,2,4-Trimethylbenzene	U	2.00	ug/kg	0.666	2.00
96-12-8	1,2-Dibromo-3-chloropropane	U	2.00	ug/kg	1.00	2.00
106-93-4	1,2-Dibromoethane	U	2.00	ug/kg	0.666	2.00
95-50-1	1,2-Dichlorobenzene	U	2.00	ug/kg	0.666	2.00
107-06-2	1,2-Dichloroethane	U	2.00	ug/kg	0.666	2.00
78-87-5	1,2-Dichloropropane	U	2.00	ug/kg	0.666	2.00
108-67-8	1,3,5-Trimethylbenzene	U	2.00	ug/kg	0.666	2.00
541-73-1	1,3-Dichlorobenzene	U	2.00	ug/kg	0.666	2.00
142-28-9	1,3-Dichloropropane	U	2.00	ug/kg	0.666	2.00
106-46-7	1,4-Dichlorobenzene	U	2.00	ug/kg	0.666	2.00
594-20-7	2,2-Dichloropropane	U	2.00	ug/kg	0.666	2.00
78-93-3	2-Butanone	U	10.0	ug/kg	3.33	10.0
95-49-8	2-Chlorotoluene	U	2.00	ug/kg	0.666	2.00
591-78-6	2-Hexanone	U	10.0	ug/kg	3.33	10.0
106-43-4	4-Chlorotoluene	U	2.00	ug/kg	0.666	2.00
99-87-6	4-Isopropyltoluene	U	2.00	ug/kg	0.666	2.00
108-10-1	4-Methyl-2-pentanone	U	10.0	ug/kg	3.33	10.0
67-64-1	Acetone	U	10.0	ug/kg	3.33	10.0
71-43-2	Benzene	U	2.00	ug/kg	0.666	2.00
108-86-1	Bromobenzene	U	2.00	ug/kg	0.666	2.00
74-97-5	Bromochloromethane	U	2.00	ug/kg	0.666	2.00
75-27-4	Bromodichloromethane	U	2.00	ug/kg	0.666	2.00
75-25-2	Bromoform	U	2.00	ug/kg	0.666	2.00
74-83-9	Bromomethane	U	2.00	ug/kg	0.666	2.00
75-15-0	Carbon disulfide	U	10.0	ug/kg	3.33	10.0
56-23-5	Carbon tetrachloride	U	2.00	ug/kg	0.666	2.00
108-90-7	Chlorobenzene	U	2.00	ug/kg	0.666	2.00
75-00-3	Chloroethane	U	2.00	ug/kg	0.666	2.00
67-66-3	Chloroform	U	2.00	ug/kg	0.666	2.00
74-87-3	Chloromethane	U	2.00	ug/kg	0.666	2.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**356729009**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**0**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86057**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 12:26**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:19**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E412.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	2.00	ug/kg	0.666	2.00
74-95-3	Dibromomethane	U	2.00	ug/kg	0.666	2.00
75-71-8	Dichlorodifluoromethane	U	2.00	ug/kg	0.666	2.00
100-41-4	Ethylbenzene	U	2.00	ug/kg	0.666	2.00
74-88-4	Iodomethane	U	10.0	ug/kg	3.33	10.0
98-82-8	Isopropylbenzene	U	2.00	ug/kg	0.666	2.00
75-09-2	Methylene chloride	U	10.0	ug/kg	3.33	10.0
100-42-5	Styrene	U	2.00	ug/kg	0.666	2.00
127-18-4	Tetrachloroethylene	U	2.00	ug/kg	0.666	2.00
108-88-3	Toluene	U	2.00	ug/kg	0.666	2.00
79-01-6	Trichloroethylene	U	2.00	ug/kg	0.666	2.00
75-69-4	Trichlorofluoromethane	U	2.00	ug/kg	0.666	2.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	10.0	ug/kg	3.33	10.0
75-01-4	Vinyl chloride	U	2.00	ug/kg	0.666	2.00
156-59-2	cis-1,2-Dichloroethylene	U	2.00	ug/kg	0.666	2.00
10061-01-5	cis-1,3-Dichloropropylene	U	2.00	ug/kg	0.666	2.00
179601-23-1	m,p-Xylenes	U	4.00	ug/kg	1.33	4.00
104-51-8	n-Butylbenzene	U	2.00	ug/kg	0.666	2.00
103-65-1	n-Propylbenzene	U	2.00	ug/kg	0.666	2.00
95-47-6	o-Xylene	U	2.00	ug/kg	0.666	2.00
135-98-8	sec-Butylbenzene	U	2.00	ug/kg	0.666	2.00
98-06-6	tert-Butylbenzene	U	2.00	ug/kg	0.666	2.00
156-60-5	trans-1,2-Dichloroethylene	U	2.00	ug/kg	0.666	2.00
10061-02-6	trans-1,3-Dichloropropylene	U	2.00	ug/kg	0.666	2.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.286	17.2	ug/kg	0	J

Quality Control Summary

Volatile

Surrogate Recovery Report

SDG Number: 2014-4540

Matrix Type: SOLID

Sample ID	Client ID	DCED4 %REC		TOL %REC		BFB %REC	
1203169996	LCS for batch 1420159	101		98		106	
1203169997	LCS for batch 1420159	105		99		108	
1203169995	MB for batch 1420159	104		100		106	
1203170090	HB for batch 1420159	102	D	100	D	103	D
356729009	MD21-14-86057	105		103		107	
356729001	MD21-14-86041	102	D	104	D	99	D
356729002	MD21-14-86042	97	D	105	D	102	D
356729003	MD21-14-86043	101	D	101	D	103	D
356729004	MD21-14-86044	97	D	105	D	103	D
356729005	MD21-14-86045	104	D	102	D	100	D
356729006	MD21-14-86046	98	D	106	D	102	D
356729007	MD21-14-86047	97	D	104	D	104	D
356729008	MD21-14-86048	99	D	103	D	103	D
1203169998	MD21-14-86041PS	99	D	96	D	100	D
1203170000	MD21-14-86041PSD	99	D	94	D	97	D
1203169999	MD21-14-86041PS	95	D	94	D	96	D
1203170001	MD21-14-86041PSD	93	D	94	D	93	D

Surrogate		Acceptance Limits
DCED4	= 1,2-Dichloroethane-d4	(70%-128%)
TOL	= Toluene-d8	(80%-120%)
BFB	= Bromofluorobenzene	(63%-138%)

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **LCS for batch 1420159**
Lab Sample ID **1203169996**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/18/2014 09:08**
Dilution: 1
Prep Batch ID: **1420159**
Batch ID: **1420162**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
179601-23-1	LCS	m,p-Xylenes	100	0.0	95.5	95	77-120
67-64-1	LCS	Acetone	250	0.0	189	76	58-145
74-88-4	LCS	Iodomethane	250	0.0	229	92	69-125
75-15-0	LCS	Carbon disulfide	250	0.0	216	86	71-135
78-93-3	LCS	2-Butanone	250	0.0	183	73	58-147
108-10-1	LCS	4-Methyl-2-pentanone	250	0.0	207	83	68-129
591-78-6	LCS	2-Hexanone	250	0.0	205	82	62-147
75-71-8	LCS	Dichlorodifluoromethane	50.0	0.0	49.1	98	53-130
74-87-3	LCS	Chloromethane	50.0	0.0	46.0	92	58-122
75-01-4	LCS	Vinyl chloride	50.0	0.0	50.9	102	60-126
74-83-9	LCS	Bromomethane	50.0	0.0	46.5	93	63-124
75-00-3	LCS	Chloroethane	50.0	0.0	46.2	92	68-120
75-69-4	LCS	Trichlorofluoromethane	50.0	0.0	47.2	94	67-128
75-35-4	LCS	1,1-Dichloroethylene	50.0	0.0	44.6	89	68-125
75-09-2	LCS	Methylene chloride	50.0	0.0	39.7	79	68-120
156-60-5	LCS	trans-1,2-Dichloroethylene	50.0	0.0	45.6	91	70-120
75-34-3	LCS	1,1-Dichloroethane	50.0	0.0	46.3	93	72-120
156-59-2	LCS	cis-1,2-Dichloroethylene	50.0	0.0	47.8	96	74-120
594-20-7	LCS	2,2-Dichloropropane	50.0	0.0	53.1	106	75-129
74-97-5	LCS	Bromochloromethane	50.0	0.0	48.3	97	75-120
67-66-3	LCS	Chloroform	50.0	0.0	48.8	98	73-120
71-55-6	LCS	1,1,1-Trichloroethane	50.0	0.0	51.5	103	74-129

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **LCS for batch 1420159**
Lab Sample ID **1203169996**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/18/2014 09:08**
Prep Batch ID: **1420159**
Batch ID: **1420162**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
563-58-6	LCS	1,1-Dichloropropene	50.0	0.0	47.4	95	71-123
56-23-5	LCS	Carbon tetrachloride	50.0	0.0	52.3	105	75-133
107-06-2	LCS	1,2-Dichloroethane	50.0	0.0	48.7	97	69-120
71-43-2	LCS	Benzene	50.0	0.0	47.6	95	72-120
79-01-6	LCS	Trichloroethylene	50.0	0.0	49.0	98	75-122
78-87-5	LCS	1,2-Dichloropropane	50.0	0.0	46.4	93	74-120
74-95-3	LCS	Dibromomethane	50.0	0.0	48.5	97	75-120
75-27-4	LCS	Bromodichloromethane	50.0	0.0	52.6	105	76-123
10061-01-5	LCS	cis-1,3-Dichloropropylene	50.0	0.0	54.3	109	76-124
108-88-3	LCS	Toluene	50.0	0.0	46.0	92	75-120
10061-02-6	LCS	trans-1,3-Dichloropropylene	50.0	0.0	53.4	107	76-123
79-00-5	LCS	1,1,2-Trichloroethane	50.0	0.0	47.0	94	75-120
142-28-9	LCS	1,3-Dichloropropane	50.0	0.0	46.1	92	72-120
127-18-4	LCS	Tetrachloroethylene	50.0	0.0	44.9	90	73-122
124-48-1	LCS	Dibromochloromethane	50.0	0.0	55.4	111	71-128
106-93-4	LCS	1,2-Dibromoethane	50.0	0.0	48.0	96	79-120
108-90-7	LCS	Chlorobenzene	50.0	0.0	45.9	92	76-120
100-41-4	LCS	Ethylbenzene	50.0	0.0	46.2	92	76-120
95-47-6	LCS	o-Xylene	50.0	0.0	49.1	98	77-120
100-42-5	LCS	Styrene	50.0	0.0	49.3	99	78-122
75-25-2	LCS	Bromoform	50.0	0.0	56.9	114	65-128
98-82-8	LCS	Isopropylbenzene	50.0	0.0	51.6	103	75-121

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **LCS for batch 1420159**
Lab Sample ID **1203169996**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/18/2014 09:08**
Dilution: 1
Prep Batch ID: **1420159**
Batch ID: **1420162**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
79-34-5	LCS	1,1,2,2-Tetrachloroethane	50.0	0.0	47.9	96	73-121
96-18-4	LCS	1,2,3-Trichloropropane	50.0	0.0	48.8	98	72-120
108-86-1	LCS	Bromobenzene	50.0	0.0	50.2	100	76-120
103-65-1	LCS	n-Propylbenzene	50.0	0.0	46.8	94	74-120
108-67-8	LCS	1,3,5-Trimethylbenzene	50.0	0.0	51.2	102	76-120
95-49-8	LCS	2-Chlorotoluene	50.0	0.0	48.9	98	75-120
106-43-4	LCS	4-Chlorotoluene	50.0	0.0	50.3	101	75-120
98-06-6	LCS	tert-Butylbenzene	50.0	0.0	51.0	102	75-125
95-63-6	LCS	1,2,4-Trimethylbenzene	50.0	0.0	49.2	98	75-120
135-98-8	LCS	sec-Butylbenzene	50.0	0.0	50.2	100	75-121
99-87-6	LCS	4-Isopropyltoluene	50.0	0.0	50.2	100	76-124
541-73-1	LCS	1,3-Dichlorobenzene	50.0	0.0	48.2	96	75-120
106-46-7	LCS	1,4-Dichlorobenzene	50.0	0.0	46.7	93	74-120
104-51-8	LCS	n-Butylbenzene	50.0	0.0	48.8	98	74-125
96-12-8	LCS	1,2-Dibromo-3-chloropropane	50.0	0.0	54.5	109	60-132
630-20-6	LCS	1,1,1,2-Tetrachloroethane	50.0	0.0	49.0	98	79-123
95-50-1	LCS	1,2-Dichlorobenzene	50.0	0.0	47.5	95	76-120

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **LCS for batch 1420159**
Lab Sample ID **1203169997**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/18/2014 10:33**
Dilution: 1
Prep Batch ID: **1420159**
Batch ID: **1420162**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
76-13-1	LCS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.0	170	68	65-138

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **MD21-14-86041PS**
Lab Sample ID **1203169998**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **5.2**
Analysis Date: **09/18/2014 17:37**
Prep Batch ID: **1420159**
Batch ID: **1420162**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
179601-23-1	PS	m,p-Xylenes	100	0.00	U	106	106	54-132
67-64-1	PS	Acetone	250	0.00	U	202	81	34-151
74-88-4	PS	Iodomethane	250	0.00	U	259	104	58-137
75-15-0	PS	Carbon disulfide	250	0.00	U	219	88	56-145
78-93-3	PS	2-Butanone	250	0.00	U	203	81	40-148
108-10-1	PS	4-Methyl-2-pentanone	250	0.00	U	235	94	57-136
591-78-6	PS	2-Hexanone	250	0.00	U	216	86	43-149
75-71-8	PS	Dichlorodifluoromethane	50.0	0.00	U	51.1	102	35-139
74-87-3	PS	Chloromethane	50.0	0.00	U	59.9	120	47-137
75-01-4	PS	Vinyl chloride	50.0	0.00	U	58.8	118	54-136
74-83-9	PS	Bromomethane	50.0	0.00	U	37.6	75	30-135
75-00-3	PS	Chloroethane	50.0	0.00	U	52.2	104	47-129
75-69-4	PS	Trichlorofluoromethane	50.0	0.00	U	53.9	108	61-132
75-35-4	PS	1,1-Dichloroethylene	50.0	0.00	U	46.0	92	59-134
75-09-2	PS	Methylene chloride	50.0	0.00	U	41.2	82	62-124
156-60-5	PS	trans-1,2-Dichloroethylene	50.0	0.00	U	47.3	95	61-128
75-34-3	PS	1,1-Dichloroethane	50.0	0.00	U	48.0	96	65-126
156-59-2	PS	cis-1,2-Dichloroethylene	50.0	0.00	U	50.6	101	66-126
594-20-7	PS	2,2-Dichloropropane	50.0	0.00	U	54.7	109	65-132
74-97-5	PS	Bromochloromethane	50.0	0.00	U	54.3	109	69-127
67-66-3	PS	Chloroform	50.0	0.00	U	50.4	101	67-125
71-55-6	PS	1,1,1-Trichloroethane	50.0	0.00	U	54.0	108	65-134

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **MD21-14-86041PS**
Lab Sample ID **1203169998**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **5.2**
Analysis Date: **09/18/2014 17:37**
Prep Batch ID: **1420159**
Batch ID: **1420162**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
563-58-6	PS	1,1-Dichloropropene	50.0	0.00	U	48.9	98	60-132
56-23-5	PS	Carbon tetrachloride	50.0	0.00	U	53.5	107	62-138
107-06-2	PS	1,2-Dichloroethane	50.0	0.00	U	49.0	98	63-119
71-43-2	PS	Benzene	50.0	0.00	U	49.4	99	63-124
79-01-6	PS	Trichloroethylene	50.0	0.00	U	52.7	105	60-135
78-87-5	PS	1,2-Dichloropropane	50.0	0.00	U	48.8	98	65-122
74-95-3	PS	Dibromomethane	50.0	0.00	U	50.8	102	67-122
75-27-4	PS	Bromodichloromethane	50.0	0.00	U	53.8	108	66-127
10061-01-5	PS	cis-1,3-Dichloropropylene	50.0	0.00	U	55.9	112	63-130
108-88-3	PS	Toluene	50.0	0.00	U	48.6	97	58-128
10061-02-6	PS	trans-1,3-Dichloropropylene	50.0	0.00	U	55.2	110	63-128
79-00-5	PS	1,1,2-Trichloroethane	50.0	0.00	U	48.9	98	67-122
142-28-9	PS	1,3-Dichloropropane	50.0	0.00	U	47.0	94	66-117
127-18-4	PS	Tetrachloroethylene	50.0	0.00	U	53.8	108	55-137
124-48-1	PS	Dibromochloromethane	50.0	0.00	U	57.8	116	61-130
106-93-4	PS	1,2-Dibromoethane	50.0	0.00	U	50.9	102	68-127
108-90-7	PS	Chlorobenzene	50.0	0.00	U	50.0	100	60-126
100-41-4	PS	Ethylbenzene	50.0	0.00	U	48.6	97	55-130
95-47-6	PS	o-Xylene	50.0	0.00	U	55.2	110	57-130
100-42-5	PS	Styrene	50.0	0.00	U	54.3	109	59-136
75-25-2	PS	Bromoform	50.0	0.00	U	61.4	123	55-129
98-82-8	PS	Isopropylbenzene	50.0	0.00	U	53.2	106	56-137

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **MD21-14-86041PS**
Lab Sample ID **1203169998**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **5.2**
Analysis Date: **09/18/2014 17:37**
Prep Batch ID: **1420159**
Batch ID: **1420162**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
79-34-5	PS	1,1,2,2-Tetrachloroethane	50.0	0.00	U	47.8	96	59-132
96-18-4	PS	1,2,3-Trichloropropane	50.0	0.00	U	51.8	104	60-130
108-86-1	PS	Bromobenzene	50.0	0.00	U	50.9	102	60-128
103-65-1	PS	n-Propylbenzene	50.0	0.00	U	47.4	95	53-134
108-67-8	PS	1,3,5-Trimethylbenzene	50.0	0.00	U	53.1	106	54-136
95-49-8	PS	2-Chlorotoluene	50.0	0.00	U	52.0	104	56-131
106-43-4	PS	4-Chlorotoluene	50.0	0.00	U	49.9	100	56-130
98-06-6	PS	tert-Butylbenzene	50.0	0.00	U	58.2	116	55-141
95-63-6	PS	1,2,4-Trimethylbenzene	50.0	0.00	U	50.1	100	54-133
135-98-8	PS	sec-Butylbenzene	50.0	0.00	U	52.8	106	52-139
99-87-6	PS	4-Isopropyltoluene	50.0	0.00	U	53.2	106	49-143
541-73-1	PS	1,3-Dichlorobenzene	50.0	0.00	U	50.2	100	54-130
106-46-7	PS	1,4-Dichlorobenzene	50.0	0.00	U	48.7	97	54-127
104-51-8	PS	n-Butylbenzene	50.0	0.00	U	49.1	98	47-142
96-12-8	PS	1,2-Dibromo-3-chloropropane	50.0	0.00	U	56.8	114	48-135
630-20-6	PS	1,1,1,2-Tetrachloroethane	50.0	0.00	U	55.6	111	66-132
95-50-1	PS	1,2-Dichlorobenzene	50.0	0.00	U	50.6	101	56-128

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **MD21-14-86041PSD**
Lab Sample ID **1203170000**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **5.2**
Analysis Date: **09/18/2014 18:05**
Prep Batch ID: **1420159**
Batch ID: **1420162**
Dilution: **50**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
179601-23-1	PSD	m,p-Xylenes	100	0.00	U	107	107	54-132	1	0-20
67-64-1	PSD	Acetone	250	0.00	U	198	79	34-151	2	0-20
74-88-4	PSD	Iodomethane	250	0.00	U	267	107	58-137	3	0-20
75-15-0	PSD	Carbon disulfide	250	0.00	U	221	89	56-145	1	0-20
78-93-3	PSD	2-Butanone	250	0.00	U	205	82	40-148	1	0-20
108-10-1	PSD	4-Methyl-2-pentanone	250	0.00	U	232	93	57-136	2	0-20
591-78-6	PSD	2-Hexanone	250	0.00	U	212	85	43-149	2	0-20
75-71-8	PSD	Dichlorodifluoromethane	50.0	0.00	U	55.1	110	35-139	8	0-20
74-87-3	PSD	Chloromethane	50.0	0.00	U	64.4	129	47-137	7	0-20
75-01-4	PSD	Vinyl chloride	50.0	0.00	U	63.8	128	54-136	8	0-20
74-83-9	PSD	Bromomethane	50.0	0.00	U	37.2	74	30-135	1	0-20
75-00-3	PSD	Chloroethane	50.0	0.00	U	54.5	109	47-129	4	0-20
75-69-4	PSD	Trichlorofluoromethane	50.0	0.00	U	57.5	115	61-132	7	0-20
75-35-4	PSD	1,1-Dichloroethylene	50.0	0.00	U	47.7	95	59-134	4	0-20
75-09-2	PSD	Methylene chloride	50.0	0.00	U	41.6	83	62-124	1	0-20
156-60-5	PSD	trans-1,2-Dichloroethylene	50.0	0.00	U	48.9	98	61-128	3	0-20
75-34-3	PSD	1,1-Dichloroethane	50.0	0.00	U	49.2	98	65-126	2	0-20
156-59-2	PSD	cis-1,2-Dichloroethylene	50.0	0.00	U	50.7	101	66-126	0	0-20
594-20-7	PSD	2,2-Dichloropropane	50.0	0.00	U	55.4	111	65-132	1	0-20
74-97-5	PSD	Bromochloromethane	50.0	0.00	U	56.7	113	69-127	4	0-20
67-66-3	PSD	Chloroform	50.0	0.00	U	51.6	103	67-125	2	0-20
71-55-6	PSD	1,1,1-Trichloroethane	50.0	0.00	U	55.4	111	65-134	2	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **MD21-14-86041PSD**
Lab Sample ID **1203170000**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **5.2**
Analysis Date: **09/18/2014 18:05**
Prep Batch ID: **1420159**
Batch ID: **1420162**
Dilution: **50**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
563-58-6	PSD	1,1-Dichloropropene	50.0	0.00	U	50.7	101	60-132	4	0-20
56-23-5	PSD	Carbon tetrachloride	50.0	0.00	U	56.3	113	62-138	5	0-20
107-06-2	PSD	1,2-Dichloroethane	50.0	0.00	U	50.4	101	63-119	3	0-20
71-43-2	PSD	Benzene	50.0	0.00	U	51.0	102	63-124	3	0-20
79-01-6	PSD	Trichloroethylene	50.0	0.00	U	55.5	111	60-135	5	0-20
78-87-5	PSD	1,2-Dichloropropane	50.0	0.00	U	50.0	100	65-122	2	0-20
74-95-3	PSD	Dibromomethane	50.0	0.00	U	52.7	105	67-122	4	0-20
75-27-4	PSD	Bromodichloromethane	50.0	0.00	U	56.0	112	66-127	4	0-20
10061-01-5	PSD	cis-1,3-Dichloropropylene	50.0	0.00	U	56.7	113	63-130	1	0-20
108-88-3	PSD	Toluene	50.0	0.00	U	49.3	99	58-128	1	0-20
10061-02-6	PSD	trans-1,3-Dichloropropylene	50.0	0.00	U	55.3	111	63-128	0	0-20
79-00-5	PSD	1,1,2-Trichloroethane	50.0	0.00	U	48.0	96	67-122	2	0-20
142-28-9	PSD	1,3-Dichloropropane	50.0	0.00	U	46.6	93	66-117	1	0-20
127-18-4	PSD	Tetrachloroethylene	50.0	0.00	U	55.5	111	55-137	3	0-20
124-48-1	PSD	Dibromochloromethane	50.0	0.00	U	58.9	118	61-130	2	0-20
106-93-4	PSD	1,2-Dibromoethane	50.0	0.00	U	51.3	103	68-127	1	0-20
108-90-7	PSD	Chlorobenzene	50.0	0.00	U	51.0	102	60-126	2	0-20
100-41-4	PSD	Ethylbenzene	50.0	0.00	U	49.1	98	55-130	1	0-20
95-47-6	PSD	o-Xylene	50.0	0.00	U	55.3	111	57-130	0	0-20
100-42-5	PSD	Styrene	50.0	0.00	U	53.7	107	59-136	1	0-20
75-25-2	PSD	Bromoform	50.0	0.00	U	61.2	122	55-129	0	0-20
98-82-8	PSD	Isopropylbenzene	50.0	0.00	U	53.5	107	56-137	1	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4540**
Client ID: **MD21-14-86041PSD**
Lab Sample ID **1203170000**
Instrument: **VOA9.I**
Analyst: **RXY1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **5.2**
Analysis Date: **09/18/2014 18:05**
Prep Batch ID: **1420159**
Batch ID: **1420162**
Dilution: **50**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
79-34-5	PSD	1,1,2,2-Tetrachloroethane	50.0	0.00	U	47.8	96	59-132	0	0-20
96-18-4	PSD	1,2,3-Trichloropropane	50.0	0.00	U	51.0	102	60-130	1	0-20
108-86-1	PSD	Bromobenzene	50.0	0.00	U	57.1	114	60-128	12	0-20
103-65-1	PSD	n-Propylbenzene	50.0	0.00	U	47.4	95	53-134	0	0-20
108-67-8	PSD	1,3,5-Trimethylbenzene	50.0	0.00	U	53.2	106	54-136	0	0-20
95-49-8	PSD	2-Chlorotoluene	50.0	0.00	U	52.2	104	56-131	0	0-20
106-43-4	PSD	4-Chlorotoluene	50.0	0.00	U	50.5	101	56-130	1	0-20
98-06-6	PSD	tert-Butylbenzene	50.0	0.00	U	60.4	121	55-141	4	0-20
95-63-6	PSD	1,2,4-Trimethylbenzene	50.0	0.00	U	51.0	102	54-133	2	0-20
135-98-8	PSD	sec-Butylbenzene	50.0	0.00	U	52.9	106	52-139	0	0-20
99-87-6	PSD	4-Isopropyltoluene	50.0	0.00	U	54.1	108	49-143	2	0-20
541-73-1	PSD	1,3-Dichlorobenzene	50.0	0.00	U	52.1	104	54-130	4	0-20
106-46-7	PSD	1,4-Dichlorobenzene	50.0	0.00	U	50.4	101	54-127	3	0-20
104-51-8	PSD	n-Butylbenzene	50.0	0.00	U	49.2	98	47-142	0	0-20
96-12-8	PSD	1,2-Dibromo-3-chloropropane	50.0	0.00	U	61.4	123	48-135	8	0-20
630-20-6	PSD	1,1,1,2-Tetrachloroethane	50.0	0.00	U	56.1	112	66-132	1	0-20
95-50-1	PSD	1,2-Dichlorobenzene	50.0	0.00	U	52.1	104	56-128	3	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4540**	**Sample Type:**	**Post Spike**	
Client ID:	**MD21-14-86041PS**	**Matrix:**	**SO**	
Lab Sample ID	**1203169999**	**%Moisture:**	**5.2**	
Instrument:	**VOA9.I**	**Analysis Date:**	**09/18/2014 18:33**	**Dilution: 50**
Analyst:	**RXY1**	**Prep Batch ID:**	**1420159**	
Purge Vol:	**5 mL**	**Batch ID:**	**1420162**	

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
76-13-1	PS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	195	78	55-140

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4540**	**Sample Type:**	**Post Spike Duplicate**
Client ID:	**MD21-14-86041PSD**	**Matrix:**	**SO**
Lab Sample ID	**1203170001**	**%Moisture:**	**5.2**
Instrument:	**VOA9.I**	**Analysis Date:**	**09/18/2014 19:01**
Analyst:	**RXY1**	**Prep Batch ID:**	**1420159**
Purge Vol:	**5 mL**	**Batch ID:**	**1420162**

Dilution: 50

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
76-13-1	PSD	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	190	76	55-140	3	0-20

Method Blank Summary

SDG Number:	**2014-4540**	**Client:**	**ARSL004**	**Matrix:**	**SOIL**
Client ID:	**MB for batch 1420159**	**Instrument ID:**	**VOA9.I**	**Data File:**	**091814V9\9E410B.D**
Lab Sample ID:	**1203169995**	**Prep Date:**	**09/18/2014 07:02**	**Analyzed:**	**09/18/14 11:30**
Column:	**DB-624**				

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 1420159	1203169996	091814V9\9E405L.D	09/18/14	0908
02	LCS for batch 1420159	1203169997	091814V9\9E408L.D	09/18/14	1033
03	HB for batch 1420159	1203170090	091814V9\9E411.D	09/18/14	1158
04	MD21-14-86057	356729009	091814V9\9E412.D	09/18/14	1226
05	MD21-14-86041	356729001	091814V9\9E413.D	09/18/14	1254
06	MD21-14-86042	356729002	091814V9\9E414.D	09/18/14	1323
07	MD21-14-86043	356729003	091814V9\9E415.D	09/18/14	1351
08	MD21-14-86044	356729004	091814V9\9E416.D	09/18/14	1420
09	MD21-14-86045	356729005	091814V9\9E417.D	09/18/14	1448
10	MD21-14-86046	356729006	091814V9\9E418.D	09/18/14	1516
11	MD21-14-86047	356729007	091814V9\9E419.D	09/18/14	1544
12	MD21-14-86048	356729008	091814V9\9E420.D	09/18/14	1612
13	MD21-14-86041PS	1203169998	091814V9\9E423.D	09/18/14	1737
14	MD21-14-86041PSD	1203170000	091814V9\9E424.D	09/18/14	1805
15	MD21-14-86041PS	1203169999	091814V9\9E425.D	09/18/14	1833
16	MD21-14-86041PSD	1203170001	091814V9\9E426.D	09/18/14	1901

Quality Control Data

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203169995**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 11:30**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 07:02**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091814V9\9E410B.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203169995**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 11:30**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 07:02**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091814V9\9E410B.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.211	5.2	ug/kg	0	J

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203169996**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 09:08**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 07:00**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091814V9\9E405L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		49.0	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane		51.5	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane		47.9	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane		47.0	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane		46.3	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene		44.6	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene		47.4	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane		48.8	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene		49.2	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane		54.5	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane		48.0	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene		47.5	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane		48.7	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane		46.4	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene		51.2	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene		48.2	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane		46.1	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene		46.7	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane		53.1	ug/kg	0.333	1.00
78-93-3	2-Butanone		183	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene		48.9	ug/kg	0.333	1.00
591-78-6	2-Hexanone		205	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene		50.3	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene		50.2	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone		207	ug/kg	1.67	5.00
67-64-1	Acetone		189	ug/kg	1.67	5.00
71-43-2	Benzene		47.6	ug/kg	0.333	1.00
108-86-1	Bromobenzene		50.2	ug/kg	0.333	1.00
74-97-5	Bromochloromethane		48.3	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane		52.6	ug/kg	0.333	1.00
75-25-2	Bromoform		56.9	ug/kg	0.333	1.00
74-83-9	Bromomethane		46.5	ug/kg	0.333	1.00
75-15-0	Carbon disulfide		216	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride		52.3	ug/kg	0.333	1.00
108-90-7	Chlorobenzene		45.9	ug/kg	0.333	1.00
75-00-3	Chloroethane		46.2	ug/kg	0.333	1.00
67-66-3	Chloroform		48.8	ug/kg	0.333	1.00
74-87-3	Chloromethane		46.0	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203169996**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 09:08**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 07:00**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091814V9\9E405L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		55.4	ug/kg	0.333	1.00
74-95-3	Dibromomethane		48.5	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane		49.1	ug/kg	0.333	1.00
100-41-4	Ethylbenzene		46.2	ug/kg	0.333	1.00
74-88-4	Iodomethane		229	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene		51.6	ug/kg	0.333	1.00
75-09-2	Methylene chloride		39.7	ug/kg	1.67	5.00
100-42-5	Styrene		49.3	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene		44.9	ug/kg	0.333	1.00
108-88-3	Toluene		46.0	ug/kg	0.333	1.00
79-01-6	Trichloroethylene		49.0	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane		47.2	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride		50.9	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene		47.8	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene		54.3	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes		95.5	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene		48.8	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene		46.8	ug/kg	0.333	1.00
95-47-6	o-Xylene		49.1	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene		50.2	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene		51.0	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene		45.6	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene		53.4	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203169997**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 10:33**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 07:01**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091814V9\9E408L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203169997**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**1**
Run Date:	**09/18/2014 10:33**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 07:01**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091814V9\9E408L.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		170	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203169998**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 17:37**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E423.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		5860	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane		5700	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane		5040	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane		5150	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane		5060	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene		4850	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene		5150	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane		5460	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene		5280	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane		5990	ug/kg	52.7	105
106-93-4	1,2-Dibromoethane		5370	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene		5340	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane		5170	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane		5150	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene		5600	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene		5290	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane		4950	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene		5140	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane		5770	ug/kg	35.1	105
78-93-3	2-Butanone		21400	ug/kg	176	527
95-49-8	2-Chlorotoluene		5480	ug/kg	35.1	105
591-78-6	2-Hexanone		22800	ug/kg	176	527
106-43-4	4-Chlorotoluene		5260	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene		5610	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone		24800	ug/kg	176	527
67-64-1	Acetone		21300	ug/kg	176	527
71-43-2	Benzene		5210	ug/kg	35.1	105
108-86-1	Bromobenzene		5360	ug/kg	35.1	105
74-97-5	Bromochloromethane		5720	ug/kg	35.1	105
75-27-4	Bromodichloromethane		5670	ug/kg	35.1	105
75-25-2	Bromoform		6480	ug/kg	35.1	105
74-83-9	Bromomethane		3970	ug/kg	35.1	105
75-15-0	Carbon disulfide		23100	ug/kg	176	527
56-23-5	Carbon tetrachloride		5650	ug/kg	35.1	105
108-90-7	Chlorobenzene		5270	ug/kg	35.1	105
75-00-3	Chloroethane		5500	ug/kg	35.1	105
67-66-3	Chloroform		5310	ug/kg	35.1	105
74-87-3	Chloromethane		6320	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203169998**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 17:37**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E423.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		6090	ug/kg	35.1	105
74-95-3	Dibromomethane		5360	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane		5380	ug/kg	35.1	105
100-41-4	Ethylbenzene		5130	ug/kg	35.1	105
74-88-4	Iodomethane		27300	ug/kg	176	527
98-82-8	Isopropylbenzene		5610	ug/kg	35.1	105
75-09-2	Methylene chloride		4350	ug/kg	176	527
100-42-5	Styrene		5720	ug/kg	35.1	105
127-18-4	Tetrachloroethylene		5670	ug/kg	35.1	105
108-88-3	Toluene		5130	ug/kg	35.1	105
79-01-6	Trichloroethylene		5560	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane		5680	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	527	ug/kg	176	527
75-01-4	Vinyl chloride		6200	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene		5330	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene		5900	ug/kg	35.1	105
179601-23-1	m,p-Xylenes		11200	ug/kg	70.3	211
104-51-8	n-Butylbenzene		5180	ug/kg	35.1	105
103-65-1	n-Propylbenzene		5000	ug/kg	35.1	105
95-47-6	o-Xylene		5820	ug/kg	35.1	105
135-98-8	sec-Butylbenzene		5560	ug/kg	35.1	105
98-06-6	tert-Butylbenzene		6130	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene		4980	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene		5820	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203169999**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 18:33**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E425.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.7	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	527	ug/kg	176	527
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	527	ug/kg	176	527
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	527	ug/kg	176	527
67-64-1	Acetone	U	527	ug/kg	176	527
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	527	ug/kg	176	527
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203169999**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 18:33**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E425.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	527	ug/kg	176	527
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	527	ug/kg	176	527
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		20600	ug/kg	176	527
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.3	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203170000**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 18:05**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E424.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		5910	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane		5840	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane		5040	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane		5060	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane		5190	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene		5020	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene		5350	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane		5380	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene		5370	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane		6470	ug/kg	52.7	105
106-93-4	1,2-Dibromoethane		5410	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene		5500	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane		5320	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane		5270	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene		5610	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene		5500	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane		4920	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene		5310	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane		5840	ug/kg	35.1	105
78-93-3	2-Butanone		21600	ug/kg	176	527
95-49-8	2-Chlorotoluene		5510	ug/kg	35.1	105
591-78-6	2-Hexanone		22400	ug/kg	176	527
106-43-4	4-Chlorotoluene		5320	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene		5700	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone		24400	ug/kg	176	527
67-64-1	Acetone		20900	ug/kg	176	527
71-43-2	Benzene		5380	ug/kg	35.1	105
108-86-1	Bromobenzene		6030	ug/kg	35.1	105
74-97-5	Bromochloromethane		5980	ug/kg	35.1	105
75-27-4	Bromodichloromethane		5910	ug/kg	35.1	105
75-25-2	Bromoform		6450	ug/kg	35.1	105
74-83-9	Bromomethane		3930	ug/kg	35.1	105
75-15-0	Carbon disulfide		23300	ug/kg	176	527
56-23-5	Carbon tetrachloride		5940	ug/kg	35.1	105
108-90-7	Chlorobenzene		5370	ug/kg	35.1	105
75-00-3	Chloroethane		5750	ug/kg	35.1	105
67-66-3	Chloroform		5440	ug/kg	35.1	105
74-87-3	Chloromethane		6790	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203170000**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 18:05**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E424.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		6210	ug/kg	35.1	105
74-95-3	Dibromomethane		5560	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane		5810	ug/kg	35.1	105
100-41-4	Ethylbenzene		5170	ug/kg	35.1	105
74-88-4	Iodomethane		28200	ug/kg	176	527
98-82-8	Isopropylbenzene		5640	ug/kg	35.1	105
75-09-2	Methylene chloride		4390	ug/kg	176	527
100-42-5	Styrene		5660	ug/kg	35.1	105
127-18-4	Tetrachloroethylene		5850	ug/kg	35.1	105
108-88-3	Toluene		5200	ug/kg	35.1	105
79-01-6	Trichloroethylene		5860	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane		6070	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	527	ug/kg	176	527
75-01-4	Vinyl chloride		6730	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene		5350	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene		5980	ug/kg	35.1	105
179601-23-1	m,p-Xylenes		11300	ug/kg	70.3	211
104-51-8	n-Butylbenzene		5190	ug/kg	35.1	105
103-65-1	n-Propylbenzene		5000	ug/kg	35.1	105
95-47-6	o-Xylene		5830	ug/kg	35.1	105
135-98-8	sec-Butylbenzene		5580	ug/kg	35.1	105
98-06-6	tert-Butylbenzene		6370	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene		5150	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene		5830	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203170001**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 19:01**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E426.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	105	ug/kg	35.1	105
71-55-6	1,1,1-Trichloroethane	U	105	ug/kg	35.1	105
79-34-5	1,1,2,2-Tetrachloroethane	U	105	ug/kg	35.1	105
79-00-5	1,1,2-Trichloroethane	U	105	ug/kg	35.1	105
75-34-3	1,1-Dichloroethane	U	105	ug/kg	35.1	105
75-35-4	1,1-Dichloroethylene	U	105	ug/kg	35.1	105
563-58-6	1,1-Dichloropropene	U	105	ug/kg	35.1	105
96-18-4	1,2,3-Trichloropropane	U	105	ug/kg	35.1	105
95-63-6	1,2,4-Trimethylbenzene	U	105	ug/kg	35.1	105
96-12-8	1,2-Dibromo-3-chloropropane	U	105	ug/kg	52.7	105
106-93-4	1,2-Dibromoethane	U	105	ug/kg	35.1	105
95-50-1	1,2-Dichlorobenzene	U	105	ug/kg	35.1	105
107-06-2	1,2-Dichloroethane	U	105	ug/kg	35.1	105
78-87-5	1,2-Dichloropropane	U	105	ug/kg	35.1	105
108-67-8	1,3,5-Trimethylbenzene	U	105	ug/kg	35.1	105
541-73-1	1,3-Dichlorobenzene	U	105	ug/kg	35.1	105
142-28-9	1,3-Dichloropropane	U	105	ug/kg	35.1	105
106-46-7	1,4-Dichlorobenzene	U	105	ug/kg	35.1	105
594-20-7	2,2-Dichloropropane	U	105	ug/kg	35.1	105
78-93-3	2-Butanone	U	527	ug/kg	176	527
95-49-8	2-Chlorotoluene	U	105	ug/kg	35.1	105
591-78-6	2-Hexanone	U	527	ug/kg	176	527
106-43-4	4-Chlorotoluene	U	105	ug/kg	35.1	105
99-87-6	4-Isopropyltoluene	U	105	ug/kg	35.1	105
108-10-1	4-Methyl-2-pentanone	U	527	ug/kg	176	527
67-64-1	Acetone	U	527	ug/kg	176	527
71-43-2	Benzene	U	105	ug/kg	35.1	105
108-86-1	Bromobenzene	U	105	ug/kg	35.1	105
74-97-5	Bromochloromethane	U	105	ug/kg	35.1	105
75-27-4	Bromodichloromethane	U	105	ug/kg	35.1	105
75-25-2	Bromoform	U	105	ug/kg	35.1	105
74-83-9	Bromomethane	U	105	ug/kg	35.1	105
75-15-0	Carbon disulfide	U	527	ug/kg	176	527
56-23-5	Carbon tetrachloride	U	105	ug/kg	35.1	105
108-90-7	Chlorobenzene	U	105	ug/kg	35.1	105
75-00-3	Chloroethane	U	105	ug/kg	35.1	105
67-66-3	Chloroform	U	105	ug/kg	35.1	105
74-87-3	Chloromethane	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**	**Date Collected:**	**09/11/2014 10:10**	**Matrix:**	**SO**
Lab Sample ID:	**1203170001**	**Date Received:**	**09/13/2014 08:45**	**%Moisture:**	**5.2**
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86041PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 19:01**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:11**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E426.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	105	ug/kg	35.1	105
74-95-3	Dibromomethane	U	105	ug/kg	35.1	105
75-71-8	Dichlorodifluoromethane	U	105	ug/kg	35.1	105
100-41-4	Ethylbenzene	U	105	ug/kg	35.1	105
74-88-4	Iodomethane	U	527	ug/kg	176	527
98-82-8	Isopropylbenzene	U	105	ug/kg	35.1	105
75-09-2	Methylene chloride	U	527	ug/kg	176	527
100-42-5	Styrene	U	105	ug/kg	35.1	105
127-18-4	Tetrachloroethylene	U	105	ug/kg	35.1	105
108-88-3	Toluene	U	105	ug/kg	35.1	105
79-01-6	Trichloroethylene	U	105	ug/kg	35.1	105
75-69-4	Trichlorofluoromethane	U	105	ug/kg	35.1	105
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		20000	ug/kg	176	527
75-01-4	Vinyl chloride	U	105	ug/kg	35.1	105
156-59-2	cis-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-01-5	cis-1,3-Dichloropropylene	U	105	ug/kg	35.1	105
179601-23-1	m,p-Xylenes	U	211	ug/kg	70.3	211
104-51-8	n-Butylbenzene	U	105	ug/kg	35.1	105
103-65-1	n-Propylbenzene	U	105	ug/kg	35.1	105
95-47-6	o-Xylene	U	105	ug/kg	35.1	105
135-98-8	sec-Butylbenzene	U	105	ug/kg	35.1	105
98-06-6	tert-Butylbenzene	U	105	ug/kg	35.1	105
156-60-5	trans-1,2-Dichloroethylene	U	105	ug/kg	35.1	105
10061-02-6	trans-1,3-Dichloropropylene	U	105	ug/kg	35.1	105

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203170090**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**HB for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 11:58**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:10**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E411.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	100	ug/kg	33.3	100
71-55-6	1,1,1-Trichloroethane	U	100	ug/kg	33.3	100
79-34-5	1,1,2,2-Tetrachloroethane	U	100	ug/kg	33.3	100
79-00-5	1,1,2-Trichloroethane	U	100	ug/kg	33.3	100
75-34-3	1,1-Dichloroethane	U	100	ug/kg	33.3	100
75-35-4	1,1-Dichloroethylene	U	100	ug/kg	33.3	100
563-58-6	1,1-Dichloropropene	U	100	ug/kg	33.3	100
96-18-4	1,2,3-Trichloropropane	U	100	ug/kg	33.3	100
95-63-6	1,2,4-Trimethylbenzene	U	100	ug/kg	33.3	100
96-12-8	1,2-Dibromo-3-chloropropane	U	100	ug/kg	50.0	100
106-93-4	1,2-Dibromoethane	U	100	ug/kg	33.3	100
95-50-1	1,2-Dichlorobenzene	U	100	ug/kg	33.3	100
107-06-2	1,2-Dichloroethane	U	100	ug/kg	33.3	100
78-87-5	1,2-Dichloropropane	U	100	ug/kg	33.3	100
108-67-8	1,3,5-Trimethylbenzene	U	100	ug/kg	33.3	100
541-73-1	1,3-Dichlorobenzene	U	100	ug/kg	33.3	100
142-28-9	1,3-Dichloropropane	U	100	ug/kg	33.3	100
106-46-7	1,4-Dichlorobenzene	U	100	ug/kg	33.3	100
594-20-7	2,2-Dichloropropane	U	100	ug/kg	33.3	100
78-93-3	2-Butanone	U	500	ug/kg	167	500
95-49-8	2-Chlorotoluene	U	100	ug/kg	33.3	100
591-78-6	2-Hexanone	U	500	ug/kg	167	500
106-43-4	4-Chlorotoluene	U	100	ug/kg	33.3	100
99-87-6	4-Isopropyltoluene	U	100	ug/kg	33.3	100
108-10-1	4-Methyl-2-pentanone	U	500	ug/kg	167	500
67-64-1	Acetone	U	500	ug/kg	167	500
71-43-2	Benzene	U	100	ug/kg	33.3	100
108-86-1	Bromobenzene	U	100	ug/kg	33.3	100
74-97-5	Bromochloromethane	U	100	ug/kg	33.3	100
75-27-4	Bromodichloromethane	U	100	ug/kg	33.3	100
75-25-2	Bromoform	U	100	ug/kg	33.3	100
74-83-9	Bromomethane	U	100	ug/kg	33.3	100
75-15-0	Carbon disulfide	U	500	ug/kg	167	500
56-23-5	Carbon tetrachloride	U	100	ug/kg	33.3	100
108-90-7	Chlorobenzene	U	100	ug/kg	33.3	100
75-00-3	Chloroethane	U	100	ug/kg	33.3	100
67-66-3	Chloroform	U	100	ug/kg	33.3	100
74-87-3	Chloromethane	U	100	ug/kg	33.3	100

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4540**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203170090**				
Client Sample:	**QC for batch 1420159**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**HB for batch 1420159**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1420162**	**Inst:**	**VOA9.I**	**Dilution:**	**50**
Run Date:	**09/18/2014 11:58**	**Analyst:**	**RXY1**	**Purge Vol:**	**5 mL**
Prep Date:	**09/18/2014 11:10**	**Aliquot:**	**5 g**	**Final Volume:**	**10 mL**
Data File:	**091814V9\9E411.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	100	ug/kg	33.3	100
74-95-3	Dibromomethane	U	100	ug/kg	33.3	100
75-71-8	Dichlorodifluoromethane	U	100	ug/kg	33.3	100
100-41-4	Ethylbenzene	U	100	ug/kg	33.3	100
74-88-4	Iodomethane	U	500	ug/kg	167	500
98-82-8	Isopropylbenzene	U	100	ug/kg	33.3	100
75-09-2	Methylene chloride	U	500	ug/kg	167	500
100-42-5	Styrene	U	100	ug/kg	33.3	100
127-18-4	Tetrachloroethylene	U	100	ug/kg	33.3	100
108-88-3	Toluene	U	100	ug/kg	33.3	100
79-01-6	Trichloroethylene	U	100	ug/kg	33.3	100
75-69-4	Trichlorofluoromethane	U	100	ug/kg	33.3	100
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	500	ug/kg	167	500
75-01-4	Vinyl chloride	U	100	ug/kg	33.3	100
156-59-2	cis-1,2-Dichloroethylene	U	100	ug/kg	33.3	100
10061-01-5	cis-1,3-Dichloropropylene	U	100	ug/kg	33.3	100
179601-23-1	m,p-Xylenes	U	200	ug/kg	66.7	200
104-51-8	n-Butylbenzene	U	100	ug/kg	33.3	100
103-65-1	n-Propylbenzene	U	100	ug/kg	33.3	100
95-47-6	o-Xylene	U	100	ug/kg	33.3	100
135-98-8	sec-Butylbenzene	U	100	ug/kg	33.3	100
98-06-6	tert-Butylbenzene	U	100	ug/kg	33.3	100
156-60-5	trans-1,2-Dichloroethylene	U	100	ug/kg	33.3	100
10061-02-6	trans-1,3-Dichloropropylene	U	100	ug/kg	33.3	100

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	unknown	4.271	503	ug/kg	0	J
	unknown	5.663	832	ug/kg	0	J

General Engineering Laboratories, Inc., Charleston, SC.

2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

ADEP

COC/Lab Request #: 2014-4527

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:

24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B
MD21-14-86036	Sep 10 2014	08:19	SO	1
MD21-14-86037	Sep 10 2014	08:55	SO	1
MD21-14-86038	Sep 10 2014	10:20	SO	1
MD21-14-86039	Sep 10 2014	11:23	SO	1
MD21-14-86040	Sep 10 2014	13:16	SO	1
MD21-14-86058	Sep 10 2014	08:19	SO	1

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Sher Sherwood	Sherri Sherwood	9/11/14 3pm			
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86036 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/10/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		0819	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-131		FIELD PREP:	NA	
LOCATION TYPE:	~~21-131~~ Geology	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		8.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		9.0 ft	EXCAVATED:	YES / NO / NA	

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock: grey - light purple, crystal + ash - rich, porous, poor, minor vugs, minor oxidized veins + discoloration, moderately well cemented

LOCATION COMMENTS: VOC-4 location

7-DAY TURN

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd Gross Alpha: 29 Gross Alpha 25 52 dpm 9/10/14

Gross β/γ: 1598 Gross Beta/Gamma 432 2030 dpm

PID Ambient Reading = 0.0 / 0.1 ppm

COLLECTED BY (PRINT) A. Toth + S. Mangleton 09/10/14

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stoch	9/10/14 1605	K. Green	9/10/14 4:05
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86037 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/10/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		0855	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-132		FIELD PREP:	NA	
LOCATION TYPE:	21-132	BH	FIELD QC TYPE:	REG	
TOP DEPTH:	8/10/14	16.5ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		17.0ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock: crystal-rich + ash-rich, gray - light purple, minor mafic, pumice poor, moderately well welded

LOCATION COMMENTS: VOC_5 location

7-Day Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd
Gross α: 29
Gross β/γ: 1598

Gross Alpha 21 dpm

Gross Beta/Gamma 2100 dpm

PID Ambient Reading = 0.0 / 0.1 ppm

COLLECTED BY (PRINT) D. Foramillo

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stocke	9/10/14 1605	K. Greene	9/10/14 4:05
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86038 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/10/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1020	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-133		FIELD PREP:	NA	
LOCATION TYPE:	21-133	BH	FIELD QC TYPE:	REG	
TOP DEPTH:	09/10/14	20.0 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		20.5 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: Tuff bedrock crystal rich + ash-rich, light purple - grey, minor matrix, moderately well welded, pumice poor

LOCATION COMMENTS: VOC — 6 location

7 - Day Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd Gross α: 29 Gross β/γ: 1598

Gross Alpha 21 dpm

Gross Beta/Gamma 1920 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) S. Muggleton

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stockel	9/10/14 1605	K. Greer	9/10/14 1605
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86039 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/10/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		~~1525~~ 1123 9/10/14	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-134		FIELD PREP:	NA	
LOCATION TYPE:	21-134	BH	FIELD QC TYPE:	REG	
TOP DEPTH:	9/10/14	20.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		21.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock, light brown - purple, lightly welded, crystal and ash rich, minor mafics.

LOCATION COMMENTS: VOC-7 location

7-Day Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd Gross α: 29 Gross β/γ: 1598

Gross Alpha 57 dpm

Gross Beta/Gamma 2210 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) D. Sorensen

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Andrew Stocker	9/10/14 1605	K. Greek	9/10/14 1705
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86040 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/10/2014	FIELD MATRIX:	R	dr
TIME COLLECTED (HH:MM):		1316	MEDIA:	QBT3	
PRS ID:	TA-21	dr	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-135		FIELD PREP:	NA	
LOCATION TYPE:	21-135 09/10/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		26.0 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		26.5 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock = gray - light purple, crystal + ash - rich, moderately welded, pumice poor,

LOCATION COMMENTS: VOC - 8 location

7-Day Turn

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd Gross α: 29 Gross β/γ: 1598

Gross Alpha 57 dpm

Gross Beta/Gamma 2110 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) D. Jaramillo

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Lindsey Stocker	9/10/14 1605	K. Greek	9/10/14 4:05
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86058 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/10/2014	FIELD MATRIX:	S	ok
TIME COLLECTED (HH:MM):		0819	MEDIA:		
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	DC	ok
LOCATION ID:	UNK	NA	FIELD PREP:	NA	
LOCATION TYPE:			FIELD QC TYPE:	FTB	
TOP DEPTH:			SAMPLE USAGE:	QC	
BOTTOM DEPTH:			EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS 40	1	ICE	Y	NA

SAMPLE COMMENTS: NA

LOCATION COMMENTS: Field trip blank for all samples taken 09/10/14

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd Gross α: 29 Gross β/γ: 1598

Alpha _____ dpm PID Ambient Reading = NA 09/10/14 ppm

~~Beta/Gamma~~ _____ dpm

COLLECTED BY (PRINT) A. Stroker

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
A. Stroker	9/10/14 1605	K. Green	9/10/14 4:05
RELINQUISHED BY (Printed Name) (Signature)	**Date/Time**	**RECEIVED BY (Printed Name) (Signature)**	**Date/Time**

Report Date 08/11/2014

DATA VALIDATION REPORT

Chain Of Custody No. 2014-4527

1. Distribution Of Samples In EDD.

SDG	Analytical Method	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks
356661	SW-846:8260B	5		1		

SDG	Analytical Method	Analysis Lot ID	Prep Lot ID	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks	Method Blanks	Matrix Spikes	Matrix Spike Dups	Analytical Spikes	Post-Digestion Spikes	Lab Control Samples	Lab Control Sample Dups	Blank Spike	Blank Spike Dups	Lab Duplicates	Storage Blanks	Preparation Blanks	Reagent Blanks
356661	SW-846:8260B	1419655	1419654	5		1			1					2							

2. Distribution Of Analytes In EDD.

Analytical Method	Analytical Method Category	Field Sample ID	Lab Sample ID	Sample Purpose	Target Analytes	Surrogates	Spiked Compounds	TICS
SW-846:8260B	VOC	LCS	1203168894	LCS	0	3	61	0
SW-846:8260B	VOC	LCS	1203168895	LCS	0	3	1	0
SW-846:8260B	VOC	MB	1203168893	MB	62	3	0	0
SW-846:8260B	VOC	MD21-14-86036	356661001	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86037	356661002	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86038	356661003	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86039	356661004	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86040	356661005	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86058	356661006	FTB	62	3	0	0

3. Are any analytes missing?

No.

4. Were any holding times exceeded?

No.

5. Any contaminants in blanks?

DATA VALIDATION REPORT

No.

6. Any surrogate recoveries outside the control limits?

No.

7. Any MS/MSD recoveries or RPDs outside the control limits?

No.

8. Any LCS/LCSD or BS/BSD recoveries or RPDs outside the control limits?

No.

9. Any Field Duplicate RPDs outside the desired limits?

No.

10. Any Lab Duplicate RPDs outside the desired limits?

No.

11. Any required reporting limits exceeded?

No.

12. Additional Validator's Comments.

13. Display Flagged Data.

None.

Reason Code	Description

DATA VALIDATION REPORT

Reason Code	Description
J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less the PQL but greater than the MDL
NQ	The analytical laboratory did not qualifiy the analyte as not detected and/or any other standard qualifire. The analyte is detected in the sample.
U_LAB	The analytical laboratory qualified the analyte as not detected.

14. Usable Result Count.

Field Sample ID	Location ID	Sample Purpose	Analytical Method	No. Unuseable Records	Total Records
MD21-14-86036	21-131	REG	SW-846:8260B	0	62
MD21-14-86037	21-132	REG	SW-846:8260B	0	62
MD21-14-86038	21-133	REG	SW-846:8260B	0	62
MD21-14-86039	21-134	REG	SW-846:8260B	0	62
MD21-14-86040	21-135	REG	SW-846:8260B	0	62
MD21-14-86058	UNK	FTB	SW-846:8260B	0	62

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178
www.gel.com

September 18, 2014

Mr. Keith Greene
Los Alamos National Laboratory
TA-03, SM271, Drop Pt. 02U, Rm111
Los Alamos, New Mexico 87545

Re: LANL ER
Work Order: 356661
SDG: 2014-4527

Dear Mr. Greene:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on September 12, 2014, and analyzed for GC/MS Volatile. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4485.

Sincerely,

Hope Taylor for
Valerie Davis
Project Manager

Chain of Custody: 2014-4527
Enclosures

ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Work Order #: 356661
SDG: 2014-4527

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Case Narrative

Case Narrative for
ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Workorder #: 356661
SDG # : 2014-4527

September 18, 2014

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on September 12, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. The samples were screened according to GEL Standard Operating Procedure. All sample containers arrived without any visible signs of tampering or breakage. Containers were checked for pH, where appropriate, and matched the preservative as documented on the accompanying chain of custody. Shipping container temperature was within specification (0 - 6C). Shipping container temperatures were checked, documented, and within specifications. There are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
356661001	MD21-14-86036
356661002	MD21-14-86037
356661003	MD21-14-86038
356661004	MD21-14-86039
356661005	MD21-14-86040
356661006	MD21-14-86058

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: GC/MS Volatile.

I certify that this data report is in compliance with the terms and conditions of the subcontract and task order, both technically and for completeness, for other than the conditions detailed in the attached case narrative.

Hope Taylor for
Valerie Davis
Project Manager

List of current GEL Certifications as of 18 September 2014

State	Certification
Alaska	UST−110
Arkansas	88−0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH−0169
Delaware	SC000122013−10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330−12−00283, P330−12−00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013−10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C−SC−01
Kansas NELAP	E−10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M−SC012
Michigan	9976
Mississippi	SC000122013−10
Nebraska	NE−OS−26−13
Nevada	SC000122014−1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68−00485
Plant Material Permit	PDEP−12−00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235−14−9
Utah NELAP	SC000122014−14
Vermont	VT87156
Virginia NELAP	460202
Washington	C780−12
Wisconsin	999887790

Chain of Custody and Supporting Documentation

General Engineering Laboratories, Inc., Charleston, SC.

2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

ADEP

3566851

COC/Lab Request #: 2014-4527

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:

24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B
MD21-14-86036	Sep 10 2014	08:19	SO	1
MD21-14-86037	Sep 10 2014	08:55	SO	1
MD21-14-86038	Sep 10 2014	10:20	SO	1
MD21-14-86039	Sep 10 2014	11:23	SO	1
MD21-14-86040	Sep 10 2014	13:16	SO	1
MD21-14-86058	Sep 10 2014	08:19	SO	1

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Sherri Sherwood	Sherri Sherwood	9/11/14 3pm		H. Taylor	09/12/14 0920
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: LANL	SDG/AR/COC/Work Order: 2014-4527
Received By: H. Taylor	Date Received: 091214

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts):
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample contatiners < action levels? 0cpm
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Ice bags (Blue ice) Dry ice None Other (describe) *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130532792 Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?	✓			Sample ID's and containers affected:
7	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?			✓	
13	COC form is properly signed in relinquished/received sections?	✓			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 5908 1777 7341-4 7330-4 7352-5 7374-5 7363-20

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HT Date 091214 Page 1 of 1

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 11SEP14
ACTWGT: 53.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

CHARLESTON SC 29407
(843) 556-8171
REF: MR1A01407Q00

4

FedEx Express

2 of 3
MPS# 0263 5908 1777 7341
Mstr# 5908 1777 7330 0201

FRI - 12 SEP 10:30A
PRIORITY OVERNIGHT

XX CHSA

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SC-US CHS

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 11SEP14
ACTWGT: 53.0 LB MAN
CAD: 0014176/CAFE2805

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TRK# 0201 5908 1777 7330
MASTER

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SC-US CHS

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 11SEP14
ACTWGT: 36.0 LB MAN
CAD: 0014176/CAFE2805

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1 of 2

TRK# 0201 5908 1777 7363

MASTER

XX CHSA

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PRIORITY OVERNIGHT

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SC-US CHS

Part # 156148-434 RITZ 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 11SEP14
ACTWGT: 44.0 LB MAN
CAD: 0014176/CAFE2805

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GENERAL ENGINEERING LAB
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REF: MR1A01407Q00

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3 of 3
MPS# 0263 5908 1777 7352
Mstr# 5908 1777 7330

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PRIORITY OVERNIGHT

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SC-US CHS

Part # 156148-434 RITZ 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 11SEP14
ACTWGT: 53.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

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GENERAL ENGINEERING LAB
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REF: MR8R0325L600

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2 of 2
MPS# 0263 5908 1777 7374
Mstr# 5908 1777 7363

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29407
SC-US CHS

Part # 156148-434 RITZ 10/11

Data Review Qualifier Flag Definition Sheet

Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.

P Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference. For HPLC, the difference is >70%.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile Analysis

Case Narrative

ChemStation Case Narrative
ARS International, LLC (ARSL)
SDG 2014-4527

Method/Analysis Information

Procedure:	**Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer**
Analytical Method:	SW846 8260B
Prep Method:	SW846 5030
Analytical Batch Number:	1419655
Prep Batch Number:	1419654

Sample Analysis

The following client and quality control samples were analyzed to complete this SDG using the methods referenced in the Analysis Information section:

Sample ID	Client ID
356661001	MD21-14-86036
356661002	MD21-14-86037
356661003	MD21-14-86038
356661004	MD21-14-86039
356661005	MD21-14-86040
356661006	MD21-14-86058
1203168893	Method Blank (MB)
1203168894	Laboratory Control Sample (LCS)
1203168895	Laboratory Control Sample (LCS)
1203168896	356495001(MD21-14-86033) Post Spike (PS)
1203168897	356495001(MD21-14-86033) Post Spike (PS)
1203168898	356495001(MD21-14-86033) Post Spike Duplicate (PSD)
1203168899	356495001(MD21-14-86033) Post Spike Duplicate (PSD)

NOTE: For volatile organic analyses the matrix spike designations may be indicated as "PS" or "PSD". The "PS" designation (post spike) indicates that the matrix was fortified prior to analysis but after applying any prep factors, such as a dilution. The laboratory considers the MS/MSD and PS/PSD designations interchangeable.

The data results reported met all SOP and method criteria, unless otherwise discussed below.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-038 REV# 21.

Calibration Information

A complete list of the initial calibration data files with the correct dates and times of analysis are shown in the Calibration History report located in the Standard Data section of the data package. The surrogate compounds were calibrated using a minimum five-point calibration curve. The surrogates wereadded by the auto sampler at a concentration of 50 ug/L or 20 ug/L for low level analyses. GEL Laboratories LLC will not have surrogate recoveries reported for Dibromofluoromethane. This is due to increased regulations for this analyte and an industry shortage.

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Blank (MB) Statement
The blank analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
Surrogate recoveries in all client and quality control samples were within the acceptance limits.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

QC Sample Designation
Sample 356495001 (MD21-14-86033) was designated for spike analysis.

Matrix Spike (PS) Recovery Statement
The spike recoveries were within the required acceptance limits.

Matrix Spike Duplicate (PSD) Recovery Statement
The spike duplicate recoveries were within the required acceptance limits.

Relative Percent Difference (RPD) Statement
The RPDs between the matrix spike pair met the acceptance limits.

Internal Standard (ISTD) Acceptance
The internal standard responses in all client and quality control samples met the required acceptance criteria.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Sample Preservation and Integrity
All samples met the sample preservation and integrity requirements.

Sample Dilutions/Methanol Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-analyses were not required for samples in this SDG.

Holding Times

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration.

Miscellaneous Information

Electronic Packaging Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative will include the data validator's signature and title. The signature page also includes the data qualifiers used in the fractional package. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Data Exception (DER) Documentation
Data exception reports (DERs) are generated to document procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Manual Integrations
Data files associated with the initial calibration, continuing calibration check, and samples did not require manual integrations.

TIC Comment
Tentatively identified compounds (TIC) may be requested for samples in this delivery group/work order. Please note that non-requested calibrated analytes detected in a client sample may be reported on the Form 1/Certificate of Analysis as TICs. TIC data, if requested, are included on the Sample Data Summary (Form 1) and are also included with the sample raw data.

Additional Comments
Additional comments were not required for this SDG.

Residual Chlorine
Residual Chlorine was not detected in any of the samples in this SDG.

System Configuration

The Volatile-GC/MS analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description	P & T Trap
VOAA.I	Agilent 7890/5975 GC/MS w/ OI Eclipse/Archon Autosampler	HP7890A/HP5975C	DB-624	J&W, 60m x 0.25mm x 1.4um	Trap 10

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 − (843) 556−8171 − www.gel.com

Qualifier Definition Report
for

ARSL004 ARS International, LLC (ARS−LANS−MTOA6−25093−GEL)

Client SDG: 2014−4527 GEL Work Order: 356661

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

DL Indicates that sample is diluted.
RA Indicates that sample is re−analyzed without re−extraction.
RE Indicates that sample is re−extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP−like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Erin Haubert **Name:** **Erin Haubert**

Date: **17 SEP 2014** **Title:** **Data Validator**

Sample Data Summary

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 08:19**	**Matrix:**	**SO**
Lab Sample ID:	**356661001**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**10.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86036**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 20:21**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:13**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY217.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.11	ug/kg	0.371	1.11
71-55-6	1,1,1-Trichloroethane	U	1.11	ug/kg	0.371	1.11
79-34-5	1,1,2,2-Tetrachloroethane	U	1.11	ug/kg	0.371	1.11
79-00-5	1,1,2-Trichloroethane	U	1.11	ug/kg	0.371	1.11
75-34-3	1,1-Dichloroethane	U	1.11	ug/kg	0.371	1.11
75-35-4	1,1-Dichloroethylene	U	1.11	ug/kg	0.371	1.11
563-58-6	1,1-Dichloropropene	U	1.11	ug/kg	0.371	1.11
96-18-4	1,2,3-Trichloropropane	U	1.11	ug/kg	0.371	1.11
95-63-6	1,2,4-Trimethylbenzene	U	1.11	ug/kg	0.371	1.11
96-12-8	1,2-Dibromo-3-chloropropane	U	1.11	ug/kg	0.557	1.11
106-93-4	1,2-Dibromoethane	U	1.11	ug/kg	0.371	1.11
95-50-1	1,2-Dichlorobenzene	U	1.11	ug/kg	0.371	1.11
107-06-2	1,2-Dichloroethane	U	1.11	ug/kg	0.371	1.11
78-87-5	1,2-Dichloropropane	U	1.11	ug/kg	0.371	1.11
108-67-8	1,3,5-Trimethylbenzene	U	1.11	ug/kg	0.371	1.11
541-73-1	1,3-Dichlorobenzene	U	1.11	ug/kg	0.371	1.11
142-28-9	1,3-Dichloropropane	U	1.11	ug/kg	0.371	1.11
106-46-7	1,4-Dichlorobenzene	U	1.11	ug/kg	0.371	1.11
594-20-7	2,2-Dichloropropane	U	1.11	ug/kg	0.371	1.11
78-93-3	2-Butanone	U	5.57	ug/kg	1.86	5.57
95-49-8	2-Chlorotoluene	U	1.11	ug/kg	0.371	1.11
591-78-6	2-Hexanone	U	5.57	ug/kg	1.86	5.57
106-43-4	4-Chlorotoluene	U	1.11	ug/kg	0.371	1.11
99-87-6	4-Isopropyltoluene	U	1.11	ug/kg	0.371	1.11
108-10-1	4-Methyl-2-pentanone	U	5.57	ug/kg	1.86	5.57
67-64-1	Acetone		5.63	ug/kg	1.86	5.57
71-43-2	Benzene	U	1.11	ug/kg	0.371	1.11
108-86-1	Bromobenzene	U	1.11	ug/kg	0.371	1.11
74-97-5	Bromochloromethane	U	1.11	ug/kg	0.371	1.11
75-27-4	Bromodichloromethane	U	1.11	ug/kg	0.371	1.11
75-25-2	Bromoform	U	1.11	ug/kg	0.371	1.11
74-83-9	Bromomethane	U	1.11	ug/kg	0.371	1.11
75-15-0	Carbon disulfide	U	5.57	ug/kg	1.86	5.57
56-23-5	Carbon tetrachloride	U	1.11	ug/kg	0.371	1.11
108-90-7	Chlorobenzene	U	1.11	ug/kg	0.371	1.11
75-00-3	Chloroethane	U	1.11	ug/kg	0.371	1.11
67-66-3	Chloroform	U	1.11	ug/kg	0.371	1.11
74-87-3	Chloromethane	U	1.11	ug/kg	0.371	1.11

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 08:19**	**Matrix:**	**SO**
Lab Sample ID:	**356661001**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**10.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86036**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 20:21**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:13**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY217.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.11	ug/kg	0.371	1.11
74-95-3	Dibromomethane	U	1.11	ug/kg	0.371	1.11
75-71-8	Dichlorodifluoromethane	U	1.11	ug/kg	0.371	1.11
100-41-4	Ethylbenzene	U	1.11	ug/kg	0.371	1.11
74-88-4	Iodomethane	U	5.57	ug/kg	1.86	5.57
98-82-8	Isopropylbenzene	U	1.11	ug/kg	0.371	1.11
75-09-2	Methylene chloride	U	5.57	ug/kg	1.86	5.57
100-42-5	Styrene	U	1.11	ug/kg	0.371	1.11
127-18-4	Tetrachloroethylene	U	1.11	ug/kg	0.371	1.11
108-88-3	Toluene	U	1.11	ug/kg	0.371	1.11
79-01-6	Trichloroethylene	U	1.11	ug/kg	0.371	1.11
75-69-4	Trichlorofluoromethane	U	1.11	ug/kg	0.371	1.11
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.57	ug/kg	1.86	5.57
75-01-4	Vinyl chloride	U	1.11	ug/kg	0.371	1.11
156-59-2	cis-1,2-Dichloroethylene	U	1.11	ug/kg	0.371	1.11
10061-01-5	cis-1,3-Dichloropropylene	U	1.11	ug/kg	0.371	1.11
179601-23-1	m,p-Xylenes	U	2.23	ug/kg	0.743	2.23
104-51-8	n-Butylbenzene	U	1.11	ug/kg	0.371	1.11
103-65-1	n-Propylbenzene	U	1.11	ug/kg	0.371	1.11
95-47-6	o-Xylene	U	1.11	ug/kg	0.371	1.11
135-98-8	sec-Butylbenzene	U	1.11	ug/kg	0.371	1.11
98-06-6	tert-Butylbenzene	U	1.11	ug/kg	0.371	1.11
156-60-5	trans-1,2-Dichloroethylene	U	1.11	ug/kg	0.371	1.11
10061-02-6	trans-1,3-Dichloropropylene	U	1.11	ug/kg	0.371	1.11

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 08:55**	**Matrix:**	**SO**
Lab Sample ID:	**356661002**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**5.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86037**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 20:46**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:14**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY218.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.05	ug/kg	0.351	1.05
71-55-6	1,1,1-Trichloroethane	U	1.05	ug/kg	0.351	1.05
79-34-5	1,1,2,2-Tetrachloroethane	U	1.05	ug/kg	0.351	1.05
79-00-5	1,1,2-Trichloroethane	U	1.05	ug/kg	0.351	1.05
75-34-3	1,1-Dichloroethane	U	1.05	ug/kg	0.351	1.05
75-35-4	1,1-Dichloroethylene	U	1.05	ug/kg	0.351	1.05
563-58-6	1,1-Dichloropropene	U	1.05	ug/kg	0.351	1.05
96-18-4	1,2,3-Trichloropropane	U	1.05	ug/kg	0.351	1.05
95-63-6	1,2,4-Trimethylbenzene	U	1.05	ug/kg	0.351	1.05
96-12-8	1,2-Dibromo-3-chloropropane	U	1.05	ug/kg	0.527	1.05
106-93-4	1,2-Dibromoethane	U	1.05	ug/kg	0.351	1.05
95-50-1	1,2-Dichlorobenzene	U	1.05	ug/kg	0.351	1.05
107-06-2	1,2-Dichloroethane	U	1.05	ug/kg	0.351	1.05
78-87-5	1,2-Dichloropropane	U	1.05	ug/kg	0.351	1.05
108-67-8	1,3,5-Trimethylbenzene	U	1.05	ug/kg	0.351	1.05
541-73-1	1,3-Dichlorobenzene	U	1.05	ug/kg	0.351	1.05
142-28-9	1,3-Dichloropropane	U	1.05	ug/kg	0.351	1.05
106-46-7	1,4-Dichlorobenzene	U	1.05	ug/kg	0.351	1.05
594-20-7	2,2-Dichloropropane	U	1.05	ug/kg	0.351	1.05
78-93-3	2-Butanone	U	5.27	ug/kg	1.76	5.27
95-49-8	2-Chlorotoluene	U	1.05	ug/kg	0.351	1.05
591-78-6	2-Hexanone	U	5.27	ug/kg	1.76	5.27
106-43-4	4-Chlorotoluene	U	1.05	ug/kg	0.351	1.05
99-87-6	4-Isopropyltoluene	U	1.05	ug/kg	0.351	1.05
108-10-1	4-Methyl-2-pentanone	U	5.27	ug/kg	1.76	5.27
67-64-1	Acetone	U	5.27	ug/kg	1.76	5.27
71-43-2	Benzene	U	1.05	ug/kg	0.351	1.05
108-86-1	Bromobenzene	U	1.05	ug/kg	0.351	1.05
74-97-5	Bromochloromethane	U	1.05	ug/kg	0.351	1.05
75-27-4	Bromodichloromethane	U	1.05	ug/kg	0.351	1.05
75-25-2	Bromoform	U	1.05	ug/kg	0.351	1.05
74-83-9	Bromomethane	U	1.05	ug/kg	0.351	1.05
75-15-0	Carbon disulfide	U	5.27	ug/kg	1.76	5.27
56-23-5	Carbon tetrachloride	U	1.05	ug/kg	0.351	1.05
108-90-7	Chlorobenzene	U	1.05	ug/kg	0.351	1.05
75-00-3	Chloroethane	U	1.05	ug/kg	0.351	1.05
67-66-3	Chloroform	U	1.05	ug/kg	0.351	1.05
74-87-3	Chloromethane	U	1.05	ug/kg	0.351	1.05

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 08:55**	**Matrix:**	**SO**
Lab Sample ID:	**356661002**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**5.1**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86037**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 20:46**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:14**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY218.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.05	ug/kg	0.351	1.05
74-95-3	Dibromomethane	U	1.05	ug/kg	0.351	1.05
75-71-8	Dichlorodifluoromethane	U	1.05	ug/kg	0.351	1.05
100-41-4	Ethylbenzene	U	1.05	ug/kg	0.351	1.05
74-88-4	Iodomethane	U	5.27	ug/kg	1.76	5.27
98-82-8	Isopropylbenzene	U	1.05	ug/kg	0.351	1.05
75-09-2	Methylene chloride	U	5.27	ug/kg	1.76	5.27
100-42-5	Styrene	U	1.05	ug/kg	0.351	1.05
127-18-4	Tetrachloroethylene	U	1.05	ug/kg	0.351	1.05
108-88-3	Toluene	U	1.05	ug/kg	0.351	1.05
79-01-6	Trichloroethylene	U	1.05	ug/kg	0.351	1.05
75-69-4	Trichlorofluoromethane	U	1.05	ug/kg	0.351	1.05
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.27	ug/kg	1.76	5.27
75-01-4	Vinyl chloride	U	1.05	ug/kg	0.351	1.05
156-59-2	cis-1,2-Dichloroethylene	U	1.05	ug/kg	0.351	1.05
10061-01-5	cis-1,3-Dichloropropylene	U	1.05	ug/kg	0.351	1.05
179601-23-1	m,p-Xylenes	U	2.11	ug/kg	0.703	2.11
104-51-8	n-Butylbenzene	U	1.05	ug/kg	0.351	1.05
103-65-1	n-Propylbenzene	U	1.05	ug/kg	0.351	1.05
95-47-6	o-Xylene	U	1.05	ug/kg	0.351	1.05
135-98-8	sec-Butylbenzene	U	1.05	ug/kg	0.351	1.05
98-06-6	tert-Butylbenzene	U	1.05	ug/kg	0.351	1.05
156-60-5	trans-1,2-Dichloroethylene	U	1.05	ug/kg	0.351	1.05
10061-02-6	trans-1,3-Dichloropropylene	U	1.05	ug/kg	0.351	1.05

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 10:20**	**Matrix:**	**SO**
Lab Sample ID:	**356661003**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**6.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86038**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 21:11**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:15**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY219.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.07	ug/kg	0.355	1.07
71-55-6	1,1,1-Trichloroethane	U	1.07	ug/kg	0.355	1.07
79-34-5	1,1,2,2-Tetrachloroethane	U	1.07	ug/kg	0.355	1.07
79-00-5	1,1,2-Trichloroethane	U	1.07	ug/kg	0.355	1.07
75-34-3	1,1-Dichloroethane	U	1.07	ug/kg	0.355	1.07
75-35-4	1,1-Dichloroethylene	U	1.07	ug/kg	0.355	1.07
563-58-6	1,1-Dichloropropene	U	1.07	ug/kg	0.355	1.07
96-18-4	1,2,3-Trichloropropane	U	1.07	ug/kg	0.355	1.07
95-63-6	1,2,4-Trimethylbenzene	U	1.07	ug/kg	0.355	1.07
96-12-8	1,2-Dibromo-3-chloropropane	U	1.07	ug/kg	0.533	1.07
106-93-4	1,2-Dibromoethane	U	1.07	ug/kg	0.355	1.07
95-50-1	1,2-Dichlorobenzene	U	1.07	ug/kg	0.355	1.07
107-06-2	1,2-Dichloroethane	U	1.07	ug/kg	0.355	1.07
78-87-5	1,2-Dichloropropane	U	1.07	ug/kg	0.355	1.07
108-67-8	1,3,5-Trimethylbenzene	U	1.07	ug/kg	0.355	1.07
541-73-1	1,3-Dichlorobenzene	U	1.07	ug/kg	0.355	1.07
142-28-9	1,3-Dichloropropane	U	1.07	ug/kg	0.355	1.07
106-46-7	1,4-Dichlorobenzene	U	1.07	ug/kg	0.355	1.07
594-20-7	2,2-Dichloropropane	U	1.07	ug/kg	0.355	1.07
78-93-3	2-Butanone	U	5.33	ug/kg	1.78	5.33
95-49-8	2-Chlorotoluene	U	1.07	ug/kg	0.355	1.07
591-78-6	2-Hexanone	U	5.33	ug/kg	1.78	5.33
106-43-4	4-Chlorotoluene	U	1.07	ug/kg	0.355	1.07
99-87-6	4-Isopropyltoluene	U	1.07	ug/kg	0.355	1.07
108-10-1	4-Methyl-2-pentanone	U	5.33	ug/kg	1.78	5.33
67-64-1	Acetone	J	3.25	ug/kg	1.78	5.33
71-43-2	Benzene	U	1.07	ug/kg	0.355	1.07
108-86-1	Bromobenzene	U	1.07	ug/kg	0.355	1.07
74-97-5	Bromochloromethane	U	1.07	ug/kg	0.355	1.07
75-27-4	Bromodichloromethane	U	1.07	ug/kg	0.355	1.07
75-25-2	Bromoform	U	1.07	ug/kg	0.355	1.07
74-83-9	Bromomethane	U	1.07	ug/kg	0.355	1.07
75-15-0	Carbon disulfide	U	5.33	ug/kg	1.78	5.33
56-23-5	Carbon tetrachloride	U	1.07	ug/kg	0.355	1.07
108-90-7	Chlorobenzene	U	1.07	ug/kg	0.355	1.07
75-00-3	Chloroethane	U	1.07	ug/kg	0.355	1.07
67-66-3	Chloroform	U	1.07	ug/kg	0.355	1.07
74-87-3	Chloromethane	U	1.07	ug/kg	0.355	1.07

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 10:20**	**Matrix:**	**SO**
Lab Sample ID:	**356661003**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**6.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86038**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 21:11**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:15**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY219.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.07	ug/kg	0.355	1.07
74-95-3	Dibromomethane	U	1.07	ug/kg	0.355	1.07
75-71-8	Dichlorodifluoromethane	U	1.07	ug/kg	0.355	1.07
100-41-4	Ethylbenzene	U	1.07	ug/kg	0.355	1.07
74-88-4	Iodomethane	U	5.33	ug/kg	1.78	5.33
98-82-8	Isopropylbenzene	U	1.07	ug/kg	0.355	1.07
75-09-2	Methylene chloride	U	5.33	ug/kg	1.78	5.33
100-42-5	Styrene	U	1.07	ug/kg	0.355	1.07
127-18-4	Tetrachloroethylene	U	1.07	ug/kg	0.355	1.07
108-88-3	Toluene	U	1.07	ug/kg	0.355	1.07
79-01-6	Trichloroethylene	U	1.07	ug/kg	0.355	1.07
75-69-4	Trichlorofluoromethane	U	1.07	ug/kg	0.355	1.07
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.33	ug/kg	1.78	5.33
75-01-4	Vinyl chloride	U	1.07	ug/kg	0.355	1.07
156-59-2	cis-1,2-Dichloroethylene	U	1.07	ug/kg	0.355	1.07
10061-01-5	cis-1,3-Dichloropropylene	U	1.07	ug/kg	0.355	1.07
179601-23-1	m,p-Xylenes	U	2.13	ug/kg	0.711	2.13
104-51-8	n-Butylbenzene	U	1.07	ug/kg	0.355	1.07
103-65-1	n-Propylbenzene	U	1.07	ug/kg	0.355	1.07
95-47-6	o-Xylene	U	1.07	ug/kg	0.355	1.07
135-98-8	sec-Butylbenzene	U	1.07	ug/kg	0.355	1.07
98-06-6	tert-Butylbenzene	U	1.07	ug/kg	0.355	1.07
156-60-5	trans-1,2-Dichloroethylene	U	1.07	ug/kg	0.355	1.07
10061-02-6	trans-1,3-Dichloropropylene	U	1.07	ug/kg	0.355	1.07

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 11:23**	**Matrix:**	**SO**
Lab Sample ID:	**356661004**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**2.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86039**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 21:36**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:16**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY220.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.03	ug/kg	0.343	1.03
71-55-6	1,1,1-Trichloroethane	U	1.03	ug/kg	0.343	1.03
79-34-5	1,1,2,2-Tetrachloroethane	U	1.03	ug/kg	0.343	1.03
79-00-5	1,1,2-Trichloroethane	U	1.03	ug/kg	0.343	1.03
75-34-3	1,1-Dichloroethane	U	1.03	ug/kg	0.343	1.03
75-35-4	1,1-Dichloroethylene	U	1.03	ug/kg	0.343	1.03
563-58-6	1,1-Dichloropropene	U	1.03	ug/kg	0.343	1.03
96-18-4	1,2,3-Trichloropropane	U	1.03	ug/kg	0.343	1.03
95-63-6	1,2,4-Trimethylbenzene	U	1.03	ug/kg	0.343	1.03
96-12-8	1,2-Dibromo-3-chloropropane	U	1.03	ug/kg	0.515	1.03
106-93-4	1,2-Dibromoethane	U	1.03	ug/kg	0.343	1.03
95-50-1	1,2-Dichlorobenzene	U	1.03	ug/kg	0.343	1.03
107-06-2	1,2-Dichloroethane	U	1.03	ug/kg	0.343	1.03
78-87-5	1,2-Dichloropropane	U	1.03	ug/kg	0.343	1.03
108-67-8	1,3,5-Trimethylbenzene	U	1.03	ug/kg	0.343	1.03
541-73-1	1,3-Dichlorobenzene	U	1.03	ug/kg	0.343	1.03
142-28-9	1,3-Dichloropropane	U	1.03	ug/kg	0.343	1.03
106-46-7	1,4-Dichlorobenzene	U	1.03	ug/kg	0.343	1.03
594-20-7	2,2-Dichloropropane	U	1.03	ug/kg	0.343	1.03
78-93-3	2-Butanone	U	5.15	ug/kg	1.72	5.15
95-49-8	2-Chlorotoluene	U	1.03	ug/kg	0.343	1.03
591-78-6	2-Hexanone	U	5.15	ug/kg	1.72	5.15
106-43-4	4-Chlorotoluene	U	1.03	ug/kg	0.343	1.03
99-87-6	4-Isopropyltoluene	U	1.03	ug/kg	0.343	1.03
108-10-1	4-Methyl-2-pentanone	U	5.15	ug/kg	1.72	5.15
67-64-1	Acetone	U	5.15	ug/kg	1.72	5.15
71-43-2	Benzene	U	1.03	ug/kg	0.343	1.03
108-86-1	Bromobenzene	U	1.03	ug/kg	0.343	1.03
74-97-5	Bromochloromethane	U	1.03	ug/kg	0.343	1.03
75-27-4	Bromodichloromethane	U	1.03	ug/kg	0.343	1.03
75-25-2	Bromoform	U	1.03	ug/kg	0.343	1.03
74-83-9	Bromomethane	U	1.03	ug/kg	0.343	1.03
75-15-0	Carbon disulfide	U	5.15	ug/kg	1.72	5.15
56-23-5	Carbon tetrachloride	U	1.03	ug/kg	0.343	1.03
108-90-7	Chlorobenzene	U	1.03	ug/kg	0.343	1.03
75-00-3	Chloroethane	U	1.03	ug/kg	0.343	1.03
67-66-3	Chloroform	U	1.03	ug/kg	0.343	1.03
74-87-3	Chloromethane	U	1.03	ug/kg	0.343	1.03

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 11:23**	**Matrix:**	**SO**
Lab Sample ID:	**356661004**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**2.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86039**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 21:36**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:16**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY220.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.03	ug/kg	0.343	1.03
74-95-3	Dibromomethane	U	1.03	ug/kg	0.343	1.03
75-71-8	Dichlorodifluoromethane	U	1.03	ug/kg	0.343	1.03
100-41-4	Ethylbenzene	U	1.03	ug/kg	0.343	1.03
74-88-4	Iodomethane	U	5.15	ug/kg	1.72	5.15
98-82-8	Isopropylbenzene	U	1.03	ug/kg	0.343	1.03
75-09-2	Methylene chloride	U	5.15	ug/kg	1.72	5.15
100-42-5	Styrene	U	1.03	ug/kg	0.343	1.03
127-18-4	Tetrachloroethylene	U	1.03	ug/kg	0.343	1.03
108-88-3	Toluene	U	1.03	ug/kg	0.343	1.03
79-01-6	Trichloroethylene	U	1.03	ug/kg	0.343	1.03
75-69-4	Trichlorofluoromethane	U	1.03	ug/kg	0.343	1.03
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.15	ug/kg	1.72	5.15
75-01-4	Vinyl chloride	U	1.03	ug/kg	0.343	1.03
156-59-2	cis-1,2-Dichloroethylene	U	1.03	ug/kg	0.343	1.03
10061-01-5	cis-1,3-Dichloropropylene	U	1.03	ug/kg	0.343	1.03
179601-23-1	m,p-Xylenes	U	2.06	ug/kg	0.687	2.06
104-51-8	n-Butylbenzene	U	1.03	ug/kg	0.343	1.03
103-65-1	n-Propylbenzene	U	1.03	ug/kg	0.343	1.03
95-47-6	o-Xylene	U	1.03	ug/kg	0.343	1.03
135-98-8	sec-Butylbenzene	U	1.03	ug/kg	0.343	1.03
98-06-6	tert-Butylbenzene	U	1.03	ug/kg	0.343	1.03
156-60-5	trans-1,2-Dichloroethylene	U	1.03	ug/kg	0.343	1.03
10061-02-6	trans-1,3-Dichloropropylene	U	1.03	ug/kg	0.343	1.03

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 13:16**	**Matrix:**	**SO**
Lab Sample ID:	**356661005**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**5.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86040**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:00**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:17**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY221.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.06	ug/kg	0.353	1.06
71-55-6	1,1,1-Trichloroethane	U	1.06	ug/kg	0.353	1.06
79-34-5	1,1,2,2-Tetrachloroethane	U	1.06	ug/kg	0.353	1.06
79-00-5	1,1,2-Trichloroethane	U	1.06	ug/kg	0.353	1.06
75-34-3	1,1-Dichloroethane	U	1.06	ug/kg	0.353	1.06
75-35-4	1,1-Dichloroethylene	U	1.06	ug/kg	0.353	1.06
563-58-6	1,1-Dichloropropene	U	1.06	ug/kg	0.353	1.06
96-18-4	1,2,3-Trichloropropane	U	1.06	ug/kg	0.353	1.06
95-63-6	1,2,4-Trimethylbenzene	U	1.06	ug/kg	0.353	1.06
96-12-8	1,2-Dibromo-3-chloropropane	U	1.06	ug/kg	0.531	1.06
106-93-4	1,2-Dibromoethane	U	1.06	ug/kg	0.353	1.06
95-50-1	1,2-Dichlorobenzene	U	1.06	ug/kg	0.353	1.06
107-06-2	1,2-Dichloroethane	U	1.06	ug/kg	0.353	1.06
78-87-5	1,2-Dichloropropane	U	1.06	ug/kg	0.353	1.06
108-67-8	1,3,5-Trimethylbenzene	U	1.06	ug/kg	0.353	1.06
541-73-1	1,3-Dichlorobenzene	U	1.06	ug/kg	0.353	1.06
142-28-9	1,3-Dichloropropane	U	1.06	ug/kg	0.353	1.06
106-46-7	1,4-Dichlorobenzene	U	1.06	ug/kg	0.353	1.06
594-20-7	2,2-Dichloropropane	U	1.06	ug/kg	0.353	1.06
78-93-3	2-Butanone	U	5.31	ug/kg	1.77	5.31
95-49-8	2-Chlorotoluene	U	1.06	ug/kg	0.353	1.06
591-78-6	2-Hexanone	U	5.31	ug/kg	1.77	5.31
106-43-4	4-Chlorotoluene	U	1.06	ug/kg	0.353	1.06
99-87-6	4-Isopropyltoluene	U	1.06	ug/kg	0.353	1.06
108-10-1	4-Methyl-2-pentanone	U	5.31	ug/kg	1.77	5.31
67-64-1	Acetone	U	5.31	ug/kg	1.77	5.31
71-43-2	Benzene	U	1.06	ug/kg	0.353	1.06
108-86-1	Bromobenzene	U	1.06	ug/kg	0.353	1.06
74-97-5	Bromochloromethane	U	1.06	ug/kg	0.353	1.06
75-27-4	Bromodichloromethane	U	1.06	ug/kg	0.353	1.06
75-25-2	Bromoform	U	1.06	ug/kg	0.353	1.06
74-83-9	Bromomethane	U	1.06	ug/kg	0.353	1.06
75-15-0	Carbon disulfide	U	5.31	ug/kg	1.77	5.31
56-23-5	Carbon tetrachloride	U	1.06	ug/kg	0.353	1.06
108-90-7	Chlorobenzene	U	1.06	ug/kg	0.353	1.06
75-00-3	Chloroethane	U	1.06	ug/kg	0.353	1.06
67-66-3	Chloroform	U	1.06	ug/kg	0.353	1.06
74-87-3	Chloromethane	U	1.06	ug/kg	0.353	1.06

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 13:16**	**Matrix:**	**SO**
Lab Sample ID:	**356661005**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**5.7**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86040**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:00**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:17**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY221.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.06	ug/kg	0.353	1.06
74-95-3	Dibromomethane	U	1.06	ug/kg	0.353	1.06
75-71-8	Dichlorodifluoromethane	U	1.06	ug/kg	0.353	1.06
100-41-4	Ethylbenzene	U	1.06	ug/kg	0.353	1.06
74-88-4	Iodomethane	U	5.31	ug/kg	1.77	5.31
98-82-8	Isopropylbenzene	U	1.06	ug/kg	0.353	1.06
75-09-2	Methylene chloride	U	5.31	ug/kg	1.77	5.31
100-42-5	Styrene	U	1.06	ug/kg	0.353	1.06
127-18-4	Tetrachloroethylene	U	1.06	ug/kg	0.353	1.06
108-88-3	Toluene	U	1.06	ug/kg	0.353	1.06
79-01-6	Trichloroethylene	U	1.06	ug/kg	0.353	1.06
75-69-4	Trichlorofluoromethane	U	1.06	ug/kg	0.353	1.06
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.31	ug/kg	1.77	5.31
75-01-4	Vinyl chloride	U	1.06	ug/kg	0.353	1.06
156-59-2	cis-1,2-Dichloroethylene	U	1.06	ug/kg	0.353	1.06
10061-01-5	cis-1,3-Dichloropropylene	U	1.06	ug/kg	0.353	1.06
179601-23-1	m,p-Xylenes	U	2.12	ug/kg	0.708	2.12
104-51-8	n-Butylbenzene	U	1.06	ug/kg	0.353	1.06
103-65-1	n-Propylbenzene	U	1.06	ug/kg	0.353	1.06
95-47-6	o-Xylene	U	1.06	ug/kg	0.353	1.06
135-98-8	sec-Butylbenzene	U	1.06	ug/kg	0.353	1.06
98-06-6	tert-Butylbenzene	U	1.06	ug/kg	0.353	1.06
156-60-5	trans-1,2-Dichloroethylene	U	1.06	ug/kg	0.353	1.06
10061-02-6	trans-1,3-Dichloropropylene	U	1.06	ug/kg	0.353	1.06

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 08:19**	**Matrix:**	**SO**
Lab Sample ID:	**356661006**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**0**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86058**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:25**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:18**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY222.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	J	1.82	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/10/2014 08:19**	**Matrix:**	**SO**
Lab Sample ID:	**356661006**	**Date Received:**	**09/12/2014 09:20**	**%Moisture:**	**0**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86058**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:25**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:18**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY222.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Quality Control Summary

Volatile

Surrogate Recovery Report

SDG Number: 2014-4527

Matrix Type: SOLID

Sample ID	Client ID	DCED4 %REC	TOL %REC	BFB %REC
1203168894	LCS for batch 1419654	102	100	102
1203168895	LCS for batch 1419654	100	99	102
1203168893	MB for batch 1419654	95	101	101
356661001	MD21-14-86036	108	99	103
356661002	MD21-14-86037	108	100	103
356661003	MD21-14-86038	110	99	102
356661004	MD21-14-86039	109	98	102
356661005	MD21-14-86040	110	99	102
356661006	MD21-14-86058	112	99	103
1203168896	MD21-14-86033PS	112	101	104
1203168898	MD21-14-86033PSD	113	101	104
1203168897	MD21-14-86033PS	108	99	104
1203168899	MD21-14-86033PSD	107	102	106

Surrogate		Acceptance Limits
DCED4	= 1,2-Dichloroethane-d4	(70%-128%)
TOL	= Toluene-d8	(80%-120%)
BFB	= Bromofluorobenzene	(63%-138%)

* Recovery outside Acceptance Limits
\# Column to be used to flag recovery values
D Sample Diluted

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168894**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:01**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
179601-23-1	LCS	m,p-Xylenes	100	0.0	101	101	77-120
67-64-1	LCS	Acetone	250	0.0	237	95	58-145
74-88-4	LCS	Iodomethane	250	0.0	242	97	69-125
75-15-0	LCS	Carbon disulfide	250	0.0	249	100	71-135
78-93-3	LCS	2-Butanone	250	0.0	233	93	58-147
108-10-1	LCS	4-Methyl-2-pentanone	250	0.0	256	102	68-129
591-78-6	LCS	2-Hexanone	250	0.0	251	100	62-147
75-71-8	LCS	Dichlorodifluoromethane	50.0	0.0	52.7	105	53-130
74-87-3	LCS	Chloromethane	50.0	0.0	51.4	103	58-122
75-01-4	LCS	Vinyl chloride	50.0	0.0	53.3	107	60-126
74-83-9	LCS	Bromomethane	50.0	0.0	40.9	82	63-124
75-00-3	LCS	Chloroethane	50.0	0.0	50.0	100	68-120
75-69-4	LCS	Trichlorofluoromethane	50.0	0.0	49.6	99	67-128
75-35-4	LCS	1,1-Dichloroethylene	50.0	0.0	47.2	94	68-125
75-09-2	LCS	Methylene chloride	50.0	0.0	48.5	97	68-120
156-60-5	LCS	trans-1,2-Dichloroethylene	50.0	0.0	48.1	96	70-120
75-34-3	LCS	1,1-Dichloroethane	50.0	0.0	48.8	98	72-120
156-59-2	LCS	cis-1,2-Dichloroethylene	50.0	0.0	49.2	98	74-120
594-20-7	LCS	2,2-Dichloropropane	50.0	0.0	53.3	107	75-129
74-97-5	LCS	Bromochloromethane	50.0	0.0	50.5	101	75-120
67-66-3	LCS	Chloroform	50.0	0.0	49.9	100	73-120
71-55-6	LCS	1,1,1-Trichloroethane	50.0	0.0	51.8	104	74-129

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168894**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:01**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
563-58-6	LCS	1,1-Dichloropropene	50.0	0.0	48.5	97	71-123
56-23-5	LCS	Carbon tetrachloride	50.0	0.0	53.1	106	75-133
107-06-2	LCS	1,2-Dichloroethane	50.0	0.0	49.8	100	69-120
71-43-2	LCS	Benzene	50.0	0.0	47.7	95	72-120
79-01-6	LCS	Trichloroethylene	50.0	0.0	49.0	98	75-122
78-87-5	LCS	1,2-Dichloropropane	50.0	0.0	49.6	99	74-120
74-95-3	LCS	Dibromomethane	50.0	0.0	50.5	101	75-120
75-27-4	LCS	Bromodichloromethane	50.0	0.0	54.4	109	76-123
10061-01-5	LCS	cis-1,3-Dichloropropylene	50.0	0.0	54.6	109	76-124
108-88-3	LCS	Toluene	50.0	0.0	49.2	98	75-120
10061-02-6	LCS	trans-1,3-Dichloropropylene	50.0	0.0	56.1	112	76-123
79-00-5	LCS	1,1,2-Trichloroethane	50.0	0.0	50.4	101	75-120
142-28-9	LCS	1,3-Dichloropropane	50.0	0.0	51.0	102	72-120
127-18-4	LCS	Tetrachloroethylene	50.0	0.0	48.6	97	73-122
124-48-1	LCS	Dibromochloromethane	50.0	0.0	60.1	120	71-128
106-93-4	LCS	1,2-Dibromoethane	50.0	0.0	52.6	105	79-120
108-90-7	LCS	Chlorobenzene	50.0	0.0	48.5	97	76-120
100-41-4	LCS	Ethylbenzene	50.0	0.0	50.4	101	76-120
95-47-6	LCS	o-Xylene	50.0	0.0	52.2	104	77-120
100-42-5	LCS	Styrene	50.0	0.0	55.2	110	78-122
75-25-2	LCS	Bromoform	50.0	0.0	61.0	122	65-128
98-82-8	LCS	Isopropylbenzene	50.0	0.0	52.9	106	75-121

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168894**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:01**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
79-34-5	LCS	1,1,2,2-Tetrachloroethane	50.0	0.0	52.8	106	73-121
96-18-4	LCS	1,2,3-Trichloropropane	50.0	0.0	51.0	102	72-120
108-86-1	LCS	Bromobenzene	50.0	0.0	50.5	101	76-120
103-65-1	LCS	n-Propylbenzene	50.0	0.0	49.4	99	74-120
108-67-8	LCS	1,3,5-Trimethylbenzene	50.0	0.0	52.8	106	76-120
95-49-8	LCS	2-Chlorotoluene	50.0	0.0	50.0	100	75-120
106-43-4	LCS	4-Chlorotoluene	50.0	0.0	51.1	102	75-120
98-06-6	LCS	tert-Butylbenzene	50.0	0.0	53.1	106	75-125
95-63-6	LCS	1,2,4-Trimethylbenzene	50.0	0.0	51.2	102	75-120
135-98-8	LCS	sec-Butylbenzene	50.0	0.0	52.3	105	75-121
99-87-6	LCS	4-Isopropyltoluene	50.0	0.0	52.0	104	76-124
541-73-1	LCS	1,3-Dichlorobenzene	50.0	0.0	49.6	99	75-120
106-46-7	LCS	1,4-Dichlorobenzene	50.0	0.0	48.3	97	74-120
104-51-8	LCS	n-Butylbenzene	50.0	0.0	51.0	102	74-125
96-12-8	LCS	1,2-Dibromo-3-chloropropane	50.0	0.0	59.9	120	60-132
630-20-6	LCS	1,1,1,2-Tetrachloroethane	50.0	0.0	54.9	110	79-123
95-50-1	LCS	1,2-Dichlorobenzene	50.0	0.0	49.9	100	76-120

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168895**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:50**
Dilution: 1
Prep Batch ID: **1419654**
Batch ID: **1419655**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
76-13-1	LCS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.0	211	84	65-138

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PS**
Lab Sample ID **1203168896**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 22:50**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
179601-23-1	PS	m,p-Xylenes	100	0.00	U	77.9	78	54-132
67-64-1	PS	Acetone	250	0.00	U	164	66	34-151
74-88-4	PS	Iodomethane	250	0.00	U	211	84	58-137
75-15-0	PS	Carbon disulfide	250	0.00	U	217	87	56-145
78-93-3	PS	2-Butanone	250	0.00	U	187	75	40-148
108-10-1	PS	4-Methyl-2-pentanone	250	0.00	U	241	97	57-136
591-78-6	PS	2-Hexanone	250	0.00	U	224	90	43-149
75-71-8	PS	Dichlorodifluoromethane	50.0	0.00	U	45.7	91	35-139
74-87-3	PS	Chloromethane	50.0	0.00	U	44.0	88	47-137
75-01-4	PS	Vinyl chloride	50.0	0.00	U	46.4	93	54-136
74-83-9	PS	Bromomethane	50.0	0.00	U	34.2	68	30-135
75-00-3	PS	Chloroethane	50.0	0.00	U	41.5	83	47-129
75-69-4	PS	Trichlorofluoromethane	50.0	0.00	U	43.1	86	61-132
75-35-4	PS	1,1-Dichloroethylene	50.0	0.00	U	42.2	84	59-134
75-09-2	PS	Methylene chloride	50.0	0.00	U	40.7	81	62-124
156-60-5	PS	trans-1,2-Dichloroethylene	50.0	0.00	U	42.9	86	61-128
75-34-3	PS	1,1-Dichloroethane	50.0	0.00	U	43.8	88	65-126
156-59-2	PS	cis-1,2-Dichloroethylene	50.0	0.00	U	42.6	85	66-126
594-20-7	PS	2,2-Dichloropropane	50.0	0.00	U	46.2	92	65-132
74-97-5	PS	Bromochloromethane	50.0	0.00	U	43.9	88	69-127
67-66-3	PS	Chloroform	50.0	0.00	U	44.8	90	67-125
71-55-6	PS	1,1,1-Trichloroethane	50.0	0.00	U	47.1	94	65-134

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PS**
Lab Sample ID **1203168896**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 22:50**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
563-58-6	PS	1,1-Dichloropropene	50.0	0.00	U	43.2	86	60-132
56-23-5	PS	Carbon tetrachloride	50.0	0.00	U	48.2	96	62-138
107-06-2	PS	1,2-Dichloroethane	50.0	0.00	U	46.2	92	63-119
71-43-2	PS	Benzene	50.0	0.00	U	41.4	83	63-124
79-01-6	PS	Trichloroethylene	50.0	0.00	U	42.8	86	60-135
78-87-5	PS	1,2-Dichloropropane	50.0	0.00	U	42.9	86	65-122
74-95-3	PS	Dibromomethane	50.0	0.00	U	45.8	92	67-122
75-27-4	PS	Bromodichloromethane	50.0	0.00	U	48.2	96	66-127
10061-01-5	PS	cis-1,3-Dichloropropylene	50.0	0.00	U	45.9	92	63-130
108-88-3	PS	Toluene	50.0	0.00	U	40.9	82	58-128
10061-02-6	PS	trans-1,3-Dichloropropylene	50.0	0.00	U	46.9	94	63-128
79-00-5	PS	1,1,2-Trichloroethane	50.0	0.00	U	44.3	89	67-122
142-28-9	PS	1,3-Dichloropropane	50.0	0.00	U	44.9	90	66-117
127-18-4	PS	Tetrachloroethylene	50.0	0.00	U	40.4	81	55-137
124-48-1	PS	Dibromochloromethane	50.0	0.00	U	51.7	103	61-130
106-93-4	PS	1,2-Dibromoethane	50.0	0.00	U	45.6	91	68-127
108-90-7	PS	Chlorobenzene	50.0	0.00	U	38.5	77	60-126
100-41-4	PS	Ethylbenzene	50.0	0.00	U	39.7	79	55-130
95-47-6	PS	o-Xylene	50.0	0.00	U	40.6	81	57-130
100-42-5	PS	Styrene	50.0	0.00	U	42.2	84	59-136
75-25-2	PS	Bromoform	50.0	0.00	U	51.1	102	55-129
98-82-8	PS	Isopropylbenzene	50.0	0.00	U	40.0	80	56-137

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PS**
Lab Sample ID **1203168896**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 22:50**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
79-34-5	PS	1,1,2,2-Tetrachloroethane	50.0	0.00	U	46.2	92	59-132
96-18-4	PS	1,2,3-Trichloropropane	50.0	0.00	U	46.8	94	60-130
108-86-1	PS	Bromobenzene	50.0	0.00	U	38.4	77	60-128
103-65-1	PS	n-Propylbenzene	50.0	0.00	U	35.6	71	53-134
108-67-8	PS	1,3,5-Trimethylbenzene	50.0	0.00	U	38.4	77	54-136
95-49-8	PS	2-Chlorotoluene	50.0	0.00	U	37.0	74	56-131
106-43-4	PS	4-Chlorotoluene	50.0	0.00	U	36.5	73	56-130
98-06-6	PS	tert-Butylbenzene	50.0	0.00	U	38.8	78	55-141
95-63-6	PS	1,2,4-Trimethylbenzene	50.0	0.00	U	36.5	73	54-133
135-98-8	PS	sec-Butylbenzene	50.0	0.00	U	36.8	74	52-139
99-87-6	PS	4-Isopropyltoluene	50.0	0.00	U	35.6	71	49-143
541-73-1	PS	1,3-Dichlorobenzene	50.0	0.00	U	35.3	71	54-130
106-46-7	PS	1,4-Dichlorobenzene	50.0	0.00	U	33.9	68	54-127
104-51-8	PS	n-Butylbenzene	50.0	0.00	U	32.9	66	47-142
96-12-8	PS	1,2-Dibromo-3-chloropropane	50.0	0.00	U	52.2	104	48-135
630-20-6	PS	1,1,1,2-Tetrachloroethane	50.0	0.00	U	46.1	92	66-132
95-50-1	PS	1,2-Dichlorobenzene	50.0	0.00	U	36.1	72	56-128

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168898**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 23:14**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
179601-23-1	PSD	m,p-Xylenes	100	0.00	U	78.7	79	54-132	1	0-20
67-64-1	PSD	Acetone	250	0.00	U	143	57	34-151	14	0-20
74-88-4	PSD	Iodomethane	250	0.00	U	206	83	58-137	2	0-20
75-15-0	PSD	Carbon disulfide	250	0.00	U	216	86	56-145	1	0-20
78-93-3	PSD	2-Butanone	250	0.00	U	165	66	40-148	12	0-20
108-10-1	PSD	4-Methyl-2-pentanone	250	0.00	U	227	91	57-136	6	0-20
591-78-6	PSD	2-Hexanone	250	0.00	U	206	82	43-149	9	0-20
75-71-8	PSD	Dichlorodifluoromethane	50.0	0.00	U	43.3	87	35-139	5	0-20
74-87-3	PSD	Chloromethane	50.0	0.00	U	45.3	91	47-137	3	0-20
75-01-4	PSD	Vinyl chloride	50.0	0.00	U	46.7	93	54-136	1	0-20
74-83-9	PSD	Bromomethane	50.0	0.00	U	34.4	69	30-135	1	0-20
75-00-3	PSD	Chloroethane	50.0	0.00	U	41.3	83	47-129	0	0-20
75-69-4	PSD	Trichlorofluoromethane	50.0	0.00	U	41.7	83	61-132	3	0-20
75-35-4	PSD	1,1-Dichloroethylene	50.0	0.00	U	41.7	83	59-134	1	0-20
75-09-2	PSD	Methylene chloride	50.0	0.00	U	39.3	79	62-124	4	0-20
156-60-5	PSD	trans-1,2-Dichloroethylene	50.0	0.00	U	42.4	85	61-128	1	0-20
75-34-3	PSD	1,1-Dichloroethane	50.0	0.00	U	42.9	86	65-126	2	0-20
156-59-2	PSD	cis-1,2-Dichloroethylene	50.0	0.00	U	42.2	84	66-126	1	0-20
594-20-7	PSD	2,2-Dichloropropane	50.0	0.00	U	45.1	90	65-132	2	0-20
74-97-5	PSD	Bromochloromethane	50.0	0.00	U	43.0	86	69-127	2	0-20
67-66-3	PSD	Chloroform	50.0	0.00	U	43.7	87	67-125	2	0-20
71-55-6	PSD	1,1,1-Trichloroethane	50.0	0.00	U	45.7	91	65-134	3	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168898**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 23:14**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
563-58-6	PSD	1,1-Dichloropropene	50.0	0.00	U	42.9	86	60-132	1	0-20
56-23-5	PSD	Carbon tetrachloride	50.0	0.00	U	47.3	95	62-138	2	0-20
107-06-2	PSD	1,2-Dichloroethane	50.0	0.00	U	43.7	87	63-119	6	0-20
71-43-2	PSD	Benzene	50.0	0.00	U	40.7	81	63-124	2	0-20
79-01-6	PSD	Trichloroethylene	50.0	0.00	U	42.2	84	60-135	1	0-20
78-87-5	PSD	1,2-Dichloropropane	50.0	0.00	U	41.4	83	65-122	4	0-20
74-95-3	PSD	Dibromomethane	50.0	0.00	U	43.3	87	67-122	5	0-20
75-27-4	PSD	Bromodichloromethane	50.0	0.00	U	46.2	92	66-127	4	0-20
10061-01-5	PSD	cis-1,3-Dichloropropylene	50.0	0.00	U	44.0	88	63-130	4	0-20
108-88-3	PSD	Toluene	50.0	0.00	U	40.6	81	58-128	1	0-20
10061-02-6	PSD	trans-1,3-Dichloropropylene	50.0	0.00	U	44.6	89	63-128	5	0-20
79-00-5	PSD	1,1,2-Trichloroethane	50.0	0.00	U	41.8	84	67-122	6	0-20
142-28-9	PSD	1,3-Dichloropropane	50.0	0.00	U	42.3	85	66-117	6	0-20
127-18-4	PSD	Tetrachloroethylene	50.0	0.00	U	40.1	80	55-137	1	0-20
124-48-1	PSD	Dibromochloromethane	50.0	0.00	U	49.2	98	61-130	5	0-20
106-93-4	PSD	1,2-Dibromoethane	50.0	0.00	U	43.4	87	68-127	5	0-20
108-90-7	PSD	Chlorobenzene	50.0	0.00	U	38.3	77	60-126	1	0-20
100-41-4	PSD	Ethylbenzene	50.0	0.00	U	40.0	80	55-130	1	0-20
95-47-6	PSD	o-Xylene	50.0	0.00	U	41.0	82	57-130	1	0-20
100-42-5	PSD	Styrene	50.0	0.00	U	42.0	84	59-136	0	0-20
75-25-2	PSD	Bromoform	50.0	0.00	U	49.1	98	55-129	4	0-20
98-82-8	PSD	Isopropylbenzene	50.0	0.00	U	41.4	83	56-137	3	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168898**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 23:14**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
79-34-5	PSD	1,1,2,2-Tetrachloroethane	50.0	0.00	U	43.8	88	59-132	5	0-20
96-18-4	PSD	1,2,3-Trichloropropane	50.0	0.00	U	44.3	89	60-130	6	0-20
108-86-1	PSD	Bromobenzene	50.0	0.00	U	38.5	77	60-128	0	0-20
103-65-1	PSD	n-Propylbenzene	50.0	0.00	U	36.9	74	53-134	4	0-20
108-67-8	PSD	1,3,5-Trimethylbenzene	50.0	0.00	U	39.4	79	54-136	3	0-20
95-49-8	PSD	2-Chlorotoluene	50.0	0.00	U	37.8	76	56-131	2	0-20
106-43-4	PSD	4-Chlorotoluene	50.0	0.00	U	37.5	75	56-130	3	0-20
98-06-6	PSD	tert-Butylbenzene	50.0	0.00	U	40.5	81	55-141	4	0-20
95-63-6	PSD	1,2,4-Trimethylbenzene	50.0	0.00	U	37.4	75	54-133	3	0-20
135-98-8	PSD	sec-Butylbenzene	50.0	0.00	U	38.3	77	52-139	4	0-20
99-87-6	PSD	4-Isopropyltoluene	50.0	0.00	U	37.0	74	49-143	4	0-20
541-73-1	PSD	1,3-Dichlorobenzene	50.0	0.00	U	35.8	72	54-130	1	0-20
106-46-7	PSD	1,4-Dichlorobenzene	50.0	0.00	U	34.3	69	54-127	1	0-20
104-51-8	PSD	n-Butylbenzene	50.0	0.00	U	34.6	69	47-142	5	0-20
96-12-8	PSD	1,2-Dibromo-3-chloropropane	50.0	0.00	U	48.4	97	48-135	8	0-20
630-20-6	PSD	1,1,1,2-Tetrachloroethane	50.0	0.00	U	45.3	91	66-132	2	0-20
95-50-1	PSD	1,2-Dichlorobenzene	50.0	0.00	U	36.5	73	56-128	1	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4527**	**Sample Type:**	**Post Spike**
Client ID:	**MD21-14-86033PS**	**Matrix:**	**SO**
Lab Sample ID	**1203168897**	**%Moisture:**	**3.5**
Instrument:	**VOAA.I**	**Analysis Date:**	**09/16/2014 23:39**
Analyst:	**JEB**	**Prep Batch ID:**	**1419654**
Purge Vol:	**5 mL**	**Batch ID:**	**1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
76-13-1	PS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	199	80	55-140

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4527**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168899**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/17/2014 00:03**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
76-13-1	PSD	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	200	80	55-140	0	0-20

Method Blank Summary

SDG Number:	**2014-4527**	**Client:**	**ARSL004**	**Matrix:**	**SOIL**
Client ID:	**MB for batch 1419654**	**Instrument ID:**	**VOAA.I**	**Data File:**	**091614\AY208AR.D**
Lab Sample ID:	**1203168893**	**Prep Date:**	**09/16/2014 10:08**	**Analyzed:**	**09/16/14 16:39**
Column:	**DB-624**				

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 1419654	1203168894	091614\AY204AR.D	09/16/14	1501
02	LCS for batch 1419654	1203168895	091614\AY206AR.D	09/16/14	1550
03	MD21-14-86036	356661001	091614\AY217.D	09/16/14	2021
04	MD21-14-86037	356661002	091614\AY218.D	09/16/14	2046
05	MD21-14-86038	356661003	091614\AY219.D	09/16/14	2111
06	MD21-14-86039	356661004	091614\AY220.D	09/16/14	2136
07	MD21-14-86040	356661005	091614\AY221.D	09/16/14	2200
08	MD21-14-86058	356661006	091614\AY222.D	09/16/14	2225
09	MD21-14-86033PS	1203168896	091614\AY223.D	09/16/14	2250
10	MD21-14-86033PSD	1203168898	091614\AY224.D	09/16/14	2314
11	MD21-14-86033PS	1203168897	091614\AY225.D	09/16/14	2339
12	MD21-14-86033PSD	1203168899	091614\AY226.D	09/17/14	0003

Quality Control Data

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168893**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 16:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY208AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168893**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 16:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY208AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168894**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:01**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY204AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		54.9	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane		51.8	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane		52.8	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane		50.4	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane		48.8	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene		47.2	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene		48.5	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane		51.0	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene		51.2	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane		59.9	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane		52.6	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene		49.9	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane		49.8	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane		49.6	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene		52.8	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene		49.6	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane		51.0	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene		48.3	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane		53.3	ug/kg	0.333	1.00
78-93-3	2-Butanone		233	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene		50.0	ug/kg	0.333	1.00
591-78-6	2-Hexanone		251	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene		51.1	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene		52.0	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone		256	ug/kg	1.67	5.00
67-64-1	Acetone		237	ug/kg	1.67	5.00
71-43-2	Benzene		47.7	ug/kg	0.333	1.00
108-86-1	Bromobenzene		50.5	ug/kg	0.333	1.00
74-97-5	Bromochloromethane		50.5	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane		54.4	ug/kg	0.333	1.00
75-25-2	Bromoform		61.0	ug/kg	0.333	1.00
74-83-9	Bromomethane		40.9	ug/kg	0.333	1.00
75-15-0	Carbon disulfide		249	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride		53.1	ug/kg	0.333	1.00
108-90-7	Chlorobenzene		48.5	ug/kg	0.333	1.00
75-00-3	Chloroethane		50.0	ug/kg	0.333	1.00
67-66-3	Chloroform		49.9	ug/kg	0.333	1.00
74-87-3	Chloromethane		51.4	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168894**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:01**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY204AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		60.1	ug/kg	0.333	1.00
74-95-3	Dibromomethane		50.5	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane		52.7	ug/kg	0.333	1.00
100-41-4	Ethylbenzene		50.4	ug/kg	0.333	1.00
74-88-4	Iodomethane		242	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene		52.9	ug/kg	0.333	1.00
75-09-2	Methylene chloride		48.5	ug/kg	1.67	5.00
100-42-5	Styrene		55.2	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene		48.6	ug/kg	0.333	1.00
108-88-3	Toluene		49.2	ug/kg	0.333	1.00
79-01-6	Trichloroethylene		49.0	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane		49.6	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride		53.3	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene		49.2	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene		54.6	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes		101	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene		51.0	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene		49.4	ug/kg	0.333	1.00
95-47-6	o-Xylene		52.2	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene		52.3	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene		53.1	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene		48.1	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene		56.1	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168895**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY206AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168895**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY206AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		211	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168896**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:06**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY223.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		47.8	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane		48.8	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane		47.8	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane		45.9	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane		45.4	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene		43.8	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene		44.8	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane		48.5	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene		37.8	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane		54.1	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane		47.3	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene		37.4	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane		47.9	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane		44.5	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene		39.7	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene		36.6	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane		46.5	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene		35.2	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane		47.8	ug/kg	0.345	1.04
78-93-3	2-Butanone		193	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene		38.3	ug/kg	0.345	1.04
591-78-6	2-Hexanone		233	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene		37.8	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene		36.9	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone		250	ug/kg	1.73	5.18
67-64-1	Acetone		170	ug/kg	1.73	5.18
71-43-2	Benzene		42.9	ug/kg	0.345	1.04
108-86-1	Bromobenzene		39.8	ug/kg	0.345	1.04
74-97-5	Bromochloromethane		45.5	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane		49.9	ug/kg	0.345	1.04
75-25-2	Bromoform		53.0	ug/kg	0.345	1.04
74-83-9	Bromomethane		35.4	ug/kg	0.345	1.04
75-15-0	Carbon disulfide		225	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride		49.9	ug/kg	0.345	1.04
108-90-7	Chlorobenzene		39.9	ug/kg	0.345	1.04
75-00-3	Chloroethane		43.0	ug/kg	0.345	1.04
67-66-3	Chloroform		46.4	ug/kg	0.345	1.04
74-87-3	Chloromethane		45.6	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168896**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:06**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY223.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		53.6	ug/kg	0.345	1.04
74-95-3	Dibromomethane		47.4	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane		47.3	ug/kg	0.345	1.04
100-41-4	Ethylbenzene		41.1	ug/kg	0.345	1.04
74-88-4	Iodomethane		219	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene		41.5	ug/kg	0.345	1.04
75-09-2	Methylene chloride		42.2	ug/kg	1.73	5.18
100-42-5	Styrene		43.7	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene		41.8	ug/kg	0.345	1.04
108-88-3	Toluene		42.4	ug/kg	0.345	1.04
79-01-6	Trichloroethylene		44.3	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane		44.7	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.18	ug/kg	1.73	5.18
75-01-4	Vinyl chloride		48.1	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene		44.2	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene		47.6	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes		80.7	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene		34.1	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene		36.9	ug/kg	0.345	1.04
95-47-6	o-Xylene		42.0	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene		38.1	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene		40.2	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene		44.4	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene		48.6	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168897**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY225.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
78-93-3	2-Butanone	U	5.18	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
591-78-6	2-Hexanone	U	5.18	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone	U	5.18	ug/kg	1.73	5.18
67-64-1	Acetone	U	5.18	ug/kg	1.73	5.18
71-43-2	Benzene	U	1.04	ug/kg	0.345	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.345	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.345	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.345	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.345	1.04
75-15-0	Carbon disulfide	U	5.18	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.345	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.345	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.345	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.345	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168897**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY225.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.345	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.345	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.345	1.04
74-88-4	Iodomethane	U	5.18	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.345	1.04
75-09-2	Methylene chloride	U	5.18	ug/kg	1.73	5.18
100-42-5	Styrene	U	1.04	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.345	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.345	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		207	ug/kg	1.73	5.18
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes	U	2.07	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.345	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168898**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:14**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:07**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY224.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		47.0	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane		47.4	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane		45.4	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane		43.3	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane		44.5	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene		43.2	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene		44.5	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane		45.9	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene		38.8	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane		50.2	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane		45.0	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene		37.8	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane		45.2	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane		42.9	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene		40.8	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene		37.1	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane		43.8	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene		35.6	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane		46.7	ug/kg	0.345	1.04
78-93-3	2-Butanone		171	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene		39.2	ug/kg	0.345	1.04
591-78-6	2-Hexanone		213	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene		38.9	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene		38.4	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone		235	ug/kg	1.73	5.18
67-64-1	Acetone		148	ug/kg	1.73	5.18
71-43-2	Benzene		42.2	ug/kg	0.345	1.04
108-86-1	Bromobenzene		39.9	ug/kg	0.345	1.04
74-97-5	Bromochloromethane		44.6	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane		47.8	ug/kg	0.345	1.04
75-25-2	Bromoform		50.9	ug/kg	0.345	1.04
74-83-9	Bromomethane		35.6	ug/kg	0.345	1.04
75-15-0	Carbon disulfide		224	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride		49.0	ug/kg	0.345	1.04
108-90-7	Chlorobenzene		39.7	ug/kg	0.345	1.04
75-00-3	Chloroethane		42.8	ug/kg	0.345	1.04
67-66-3	Chloroform		45.3	ug/kg	0.345	1.04
74-87-3	Chloromethane		46.9	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168898**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:14**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:07**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY224.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		51.0	ug/kg	0.345	1.04
74-95-3	Dibromomethane		44.9	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane		44.9	ug/kg	0.345	1.04
100-41-4	Ethylbenzene		41.4	ug/kg	0.345	1.04
74-88-4	Iodomethane		214	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene		42.9	ug/kg	0.345	1.04
75-09-2	Methylene chloride		40.7	ug/kg	1.73	5.18
100-42-5	Styrene		43.5	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene		41.6	ug/kg	0.345	1.04
108-88-3	Toluene		42.1	ug/kg	0.345	1.04
79-01-6	Trichloroethylene		43.8	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane		43.2	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.18	ug/kg	1.73	5.18
75-01-4	Vinyl chloride		48.4	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene		43.7	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene		45.6	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes		81.6	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene		35.9	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene		38.2	ug/kg	0.345	1.04
95-47-6	o-Xylene		42.5	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene		39.7	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene		42.0	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene		43.9	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene		46.3	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168899**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/17/2014 00:03**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:09**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY226.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
78-93-3	2-Butanone	U	5.18	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
591-78-6	2-Hexanone	U	5.18	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone	U	5.18	ug/kg	1.73	5.18
67-64-1	Acetone	U	5.18	ug/kg	1.73	5.18
71-43-2	Benzene	U	1.04	ug/kg	0.345	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.345	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.345	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.345	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.345	1.04
75-15-0	Carbon disulfide	U	5.18	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.345	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.345	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.345	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.345	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4527**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168899**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/17/2014 00:03**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:09**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY226.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.345	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.345	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.345	1.04
74-88-4	Iodomethane	U	5.18	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.345	1.04
75-09-2	Methylene chloride	U	5.18	ug/kg	1.73	5.18
100-42-5	Styrene	U	1.04	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.345	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.345	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		207	ug/kg	1.73	5.18
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes	U	2.07	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.345	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04

General Engineering Laboratories, Inc., Charleston, SC.

2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

ADEP

COC/Lab Request #: 2014-4510

Client Contact:

Lab Agreement # : 126310011

Project Number :

Analysis Turnaround Time:

24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Site Name: Los Alamos National Laboratory

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B
MD21-14-86033	Sep 9 2014	14:04	SO	1
MD21-14-86034	Sep 9 2014	14:40	SO	1
MD21-14-86035	Sep 9 2014	15:20	SO	1
MD21-14-86055	Sep 9 2014	15:20	SO	1

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
	Melissa Montz	9/10/14 3:00			
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86033 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/09/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1404	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-128		FIELD PREP:	NA	
LOCATION TYPE:	21-128 09/9/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		18.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		19.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
X	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: - fo Bedrock - gray - light purple, crystal + ash rich, minor mafics, pumice poor, moderately well welded

7-Day Turn Please

LOCATION COMMENTS: VOC-1

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

BKgd Gross α: 34 Gross β/γ: 1484

Gross Alpha 36 21 dpm

Gross Beta/Gamma 1704 1941 dpm

PID Ambient Reading = 0.0 NA / 0.9 9/9/14 ppm

COLLECTED BY (PRINT) 9/9/14 A. Stocker + S. Muggleton

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Andrew Stocker (Signature)	9/9/14 1615	(Printed Name) S. Sherwood (Signature)	9/9/14 1615
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86034 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/09/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1440	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-129		FIELD PREP:	NA	
LOCATION TYPE:	21-129 Ga/a/k	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		20.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		21.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: tuff bedrock, crystal + ash rich, grey - light purple, minor matrix, pumice poor, moderately well welded, 1 cm-thick vertical fracture filled with oxidized clay TD @ 21', tuff contact @ 20.0 ft

LOCATION COMMENTS: VOC-2 location

7-Day Turn Please

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd Gross α: 34 Gross β/γ: 1484

Alpha Gross 26 dpm

Beta/Gamma Gross 1984 dpm

PID Ambient Reading = 0.0 / 0.0 ppm

COLLECTED BY (PRINT) S. Muggleton + D. Sorandello

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Audrey Stocker	9/9/14 1615	D. Sherwood	9/9/14 1615
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86035 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/09/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1520	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	21-130		FIELD PREP:	NA	
LOCATION TYPE:	21-130 BS 9/9/14	BH	FIELD QC TYPE:	REG	
TOP DEPTH:		17.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:		18.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
MB	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	MB

SAMPLE COMMENTS: tuff: grey – light purple, moderately well welded, crystal + ashrich, pumice poor, minor mafics Tuff @ 17 ft, TD @ 18.0 ft

LOCATION COMMENTS: VOC-3 location

7-Day Turn Please

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd Gross α: 34
Gross β/γ: 1484

Gross Alpha 47 dpm

Gross Beta/Gamma 2170 dpm

PID Ambient Reading = 0.0 ppm
0.7

COLLECTED BY (PRINT) S. Muggleton

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
Aubrey Stoker	9/9/14 1615	S. Sherwood	9/9/14 1615
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 6833 **EVENT NAME:** TA-21 MDA-B VOC Sampling

SAMPLE ID: MD21-14-86055 **WORK ORDER:**

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED (MM/DD/YYYY):		09/09/2014	FIELD MATRIX:	R	ok
TIME COLLECTED (HH:MM):		1520	MEDIA:	QBT3	
PRS ID:	TA-21	ok	SAMPLE TECH CODE:	HSA	
LOCATION ID:	UNK	21-130	FIELD PREP:	NA	
LOCATION TYPE:		BH	FIELD QC TYPE:	FD	
TOP DEPTH:		17.5 ft	SAMPLE USAGE:	QC	
BOTTOM DEPTH:		18.0 ft	EXCAVATED:		YES / NO / NA

PRIORITY	ORDER	CONTAINER	#	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
NA	8260B	125 ML SEPTUM AMBER GLASS	1	ICE	Y	NA

SAMPLE COMMENTS: see MD21-14-86035 for details

LOCATION COMMENTS: VOC-3, field duplicate of MD21-14-86035

F-Day Turn Please

FIELD PARAMETERS:

FIELD SCREENING/MEASUREMENT RESULTS:

Bkgd Gross α: 34 Gross β/γ: 1484

Gross Alpha 47 dpm

Gross Beta/Gamma 2170 dpm

PID Ambient Reading = 0.0 / 0.7 ppm

COLLECTED BY (PRINT)

RELINQUISHED BY (Printed Name) Andrew Stoker (Signature)	Date/Time 9/9/14 1615	RECEIVED BY (Printed Name) S. Sherwood (Signature)	Date/Time 9/9/14 1615
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

Report Date 08/11/2014

DATA VALIDATION REPORT

Chain Of Custody No. 2014-4510

1. Distribution Of Samples In EDD.

SDG	Analytical Method	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks
356495	SW-846:8260B	3	1			

SDG	Analytical Method	Analysis Lot ID	Prep Lot ID	Regular Samples	Field Duplicates	Trip Blanks	Field Blanks	Equipment Blanks	Method Blanks	Matrix Spikes	Matrix Spike Dups	Analytical Spikes	Post-Digestion Spikes	Lab Control Samples	Lab Control Sample Dups	Blank Spike	Blank Spike Dups	Lab Duplicates	Storage Blanks	Preparation Blanks	Reagent Blanks
356495	SW-846:8260B	1419655	1419654	3	1				1					2							

2. Distribution Of Analytes In EDD.

Analytical Method	Analytical Method Category	Field Sample ID	Lab Sample ID	Sample Purpose	Target Analytes	Surrogates	Spiked Compounds	TICS
SW-846:8260B	VOC	LCS	1203168894	LCS	0	3	61	0
SW-846:8260B	VOC	LCS	1203168895	LCS	0	3	1	0
SW-846:8260B	VOC	MB	1203168893	MB	62	3	0	0
SW-846:8260B	VOC	MD21-14-86033	356495001	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86034	356495002	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86035	356495003	REG	62	3	0	0
SW-846:8260B	VOC	MD21-14-86055	356495004	FD	62	3	0	0

3. Are any analytes missing?

No.

4. Were any holding times exceeded?

No.

5. Any contaminants in blanks?

No.

6. Any surrogate recoveries outside the control limits?

No.

7. Any MS/MSD recoveries or RPDs outside the control limits?

No.

8. Any LCS/LCSD or BS/BSD recoveries or RPDs outside the control limits?

No.

9. Any Field Duplicate RPDs outside the desired limits?

No.

10. Any Lab Duplicate RPDs outside the desired limits?

No.

11. Any required reporting limits exceeded?

No.

12. Additional Validator's Comments.

13. Display Flagged Data.

None.

Reason Code	Description

DATA VALIDATION REPORT

Reason Code	Description
U_LAB	The analytical laboratory qualified the analyte as not detected.

14. Usable Result Count.

Field Sample ID	Location ID	Sample Purpose	Analytical Method	No. Unuseable Records	Total Records
MD21-14-86033	21-128	REG	SW-846:8260B	0	62
MD21-14-86034	21-129	REG	SW-846:8260B	0	62
MD21-14-86035	21-130	REG	SW-846:8260B	0	62
MD21-14-86055	21-130	FD	SW-846:8260B	0	62

GEL Laboratories LLC
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September 17, 2014

Mr. Keith Greene
Los Alamos National Laboratory
TA-03, SM271, Drop Pt. 02U, Rm111
Los Alamos, New Mexico 87545

Re: LANL ER
Work Order: 356495
SDG: 2014-4510

Dear Mr. Greene:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on September 11, 2014, and analyzed for GC/MS Volatile. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4485.

Sincerely,

Hope Taylor for
Valerie Davis
Project Manager

Chain of Custody: 2014-4510
Enclosures

ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Work Order #: 356495
SDG: 2014-4510

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Case Narrative

Case Narrative for
ARS International, LLC (ARS-LANS-MTOA6-25093-GEL)
LANL ER
Workorder #: 356495
SDG # : 2014-4510

September 17, 2014

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on September 11, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. The samples were screened according to GEL Standard Operating Procedure. All sample containers arrived without any visible signs of tampering or breakage. Containers were checked for pH, where appropriate, and matched the preservative as documented on the accompanying chain of custody. Shipping container temperature was within specification (0 - 6C). Shipping container temperatures were checked, documented, and within specifications. There are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
356495001	MD21-14-86033
356495002	MD21-14-86034
356495003	MD21-14-86035
356495004	MD21-14-86055

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: GC/MS Volatile.

I certify that this data report is in compliance with the terms and conditions of the subcontract and task order, both technically and for completeness, for other than the conditions detailed in the attached case narrative.

Hope Taylor for
Valerie Davis
Project Manager

List of current GEL Certifications as of 17 September 2014

State	Certification
Alaska	UST−110
Arkansas	88−0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH−0169
Delaware	SC000122013−10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330−12−00283, P330−12−00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013−10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C−SC−01
Kansas NELAP	E−10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M−SC012
Michigan	9976
Mississippi	SC000122013−10
Nebraska	NE−OS−26−13
Nevada	SC000122014−1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68−00485
Plant Material Permit	PDEP−12−00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235−14−9
Utah NELAP	SC000122014−14
Vermont	VT87156
Virginia NELAP	460202
Washington	C780−12
Wisconsin	999887790

Chain of Custody and Supporting Documentation

General Engineering Laboratories, Inc., Charleston, SC.

2040 Savage Rd
Charleston SC 29407

Chain of Custody/Analysis Request

356495

ADEP

COC/Lab Request #: 2014-4510

Page 1 of 1

Client Contact:

Lab Agreement # : 126310011

Project Number :

Site Name: Los Alamos National Laboratory

Analysis Turnaround Time:

24 Hour - ☐ Other - ☐
7 Day - ☒
14 Day - ☐
21 Day - ☐
28 Day - ☐

Rad Screening Info: Yes, Below Background

Lab Reporting Limit Type: Sample Quantitation Limit

Special Instructions:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	8260B
MD21-14-86033	Sep 9 2014	14:04	SO	1
MD21-14-86034	Sep 9 2014	14:40	SO	1
MD21-14-86035	Sep 9 2014	15:20	SO	1
MD21-14-86055	Sep 9 2014	15:20	SO	1

Special Instructions:

Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
	Melissa Montoya	9/10/14 3:00		H. Taylor 09/11/14	0915
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: LANL	**SDG/AR/COC/Work Order:** 2014-4510
Received By: H. Taylor	**Date Received:** 091114

Suspected Hazard Information	**Yes**	**No**	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample contatiners < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	**Yes**	**NA**	**No**	**Comments/Qualifiers (Required for Non-Conforming Items)**
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Ice bags (Blue ice) Dry ice None Other (describe) 4-5 *all temperatures are recorded in Celsius 14
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130532792 Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
7	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?		✓		Sample ID's affected:
11	Number of containers received match number indicated on COC?			✓	Sample ID's affected: see continuation
12	Are sample containers identifiable as GEL provided?			✓	
13	COC form is properly signed in relinquished/received sections?	✓			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 5908 1777 7180-4 7216-4 7190-5 7205-5 7179-14

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HH Date 091114 Page 1 of 2

GEL Laboratories LLC **SAMPLE RECEIPT & REVIEW CONTINUATION FORM**

Client: LANL **Received By:** H. Taylor **Date Received:** 091114 **SDG/AR/COC/Work Order:** 2014-4510

RN 2014-4506
WST54-14-85812 receive 2 containers for SVOA

RN 2014-4507
WST54-14-86594 receive two containers for Oil and Grease

RN 2014-4508
WST54-14-85813 received 2 containers for SVOA
WST54-14-85815 received 1 container for VOA

RN 2014-4509
WST54-14-86592 received 12 HH containers for SVOA
WST54-14-86593 received 1 container for VOA

RN 2014-4511
* WT-1PC-14-85011 received 1 container for SVOA
did not receive a container for Alk+Ph
* WT-1PC-14-85013 did not receive a container for
DOC or SO4+Cl

RN 2014-4510
MD21-14-86055 and 86035 1 container received with
a double label

Containers received unpreserved
WST54-14-85812 - RAD
85812 - TKN+NH3+PO4+NO3NO2
~~85812 HH~~
85813 - COD

PM (or PMA) review: Initials HH Date 091114 Page 2 of 2

Subject: Sample Receiving 091114
From: Hope Taylor <Hope.Taylor@gel.com>
Date: 9/12/2014 7:34 AM
To: "Keith R. Greene" <kgreene@lanl.gov>, LANL@amrad.com, "team.davis" <team.davis@gel.com>

RN 2014-4506
WST54-14-85812 received 2 containers for SVOA

RN 2014-4507
WST54-14-86594 received two containers for Oil and Grease

RN 2014-4508
WST54-14-85813 received 2 containers for SVOA
WST54-14-85815 received 1 container for VOA

RN 20114-4509
WST54-14-86592 received 1 container for SVOA
WST54-14-86593 received 1 container for VOA

RN 2014-4511
WT_IPC-14-85011 received 1 container for SVOA, **did not receiv a container for ALK+PH**
WT_IPC-14-85013 did not receive a container for DOC or S04+Cl

RN 2014-4510
MD21-14-86055 and 86035 received 1 container a double label

Containers received unpreserved:
WST54-14-85812 RAD and TKN+NH3+PO4+NO3NO2
WST54-14-85813 COD

--
Hope Taylor
Project Manager Assistant
GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Direct: 843.769.7376 ext. 4778
Main: 843.556.8171
Fax: 843.766.1178
E-mail: hop01200@gel.com
Web: www.gel.com

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 10SEP14
ACTWGT: 50.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

4

CHARLESTON SC 29407
(843) 556-8171
REF: M438CDW4JS00

FedEx Express

2 of 3
MPS# 0263 5908 1777 7180
Mstr# 5908 1777 7179

THU - 11 SEP 10:30A
PRIORITY OVERNIGHT

0201

XX CHSA

29407
SC-US CHS

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 10SEP14
ACTWGT: 26.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

4

CHARLESTON SC 29407
(843) 556-8171
REF: MR0A00EC5YQ0

FedEx Express

2 of 2
MPS# 0263 5908 1777 7216
Mstr# 5908 1777 7205

THU - 11 SEP 10:30A
PRIORITY OVERNIGHT

0201

XX CHSA

29407
SC-US CHS

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 10SEP14
ACTWGT: 50.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

5

CHARLESTON SC 29407
(843) 556-8171
REF: M438CDW4JS00

FedEx Express

THU - 11 SEP 10:30A
PRIORITY OVERNIGHT

3 of 3
MPS# 0263 5908 1777 7190
Mstr# 5908 1777 7179
0201

29407
SC-US CHS

XX CHSA

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 10SEP14
ACTWGT: 55.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

5

CHARLESTON SC 29407
(843) 556-8171
REF: MR0A00EC5YQ0

FedEx Express

THU - 11 SEP 10:30A
PRIORITY OVERNIGHT

1 of 2
TRK# 0201 5908 1777 7205
MASTER

29407
SC-US CHS

XX CHSA

Part # 156148-434 RIT2 10/11

ORIGIN ID:SAFA (505) 665-9966
KEITH GREENE
LOS ALAMOS NATL LAB.
TA00 BLDG 1237 DPU 03

LOS ALAMOS, NM 87545
UNITED STATES US

SHIP DATE: 10SEP14
ACTWGT: 46.0 LB MAN
CAD: 0014176/CAFE2805

BILL SENDER

TO VALERIE DAVIS
GENERAL ENGINEERING LAB
2040 SAVAGE RD

14

CHARLESTON SC 29407
(843) 556-8171
REF: M438CDW4JS00

FedEx Express

1 of 3

TRK# 0201 5908 1777 7179
MASTER

THU - 11 SEP 10:30A
PRIORITY OVERNIGHT

XX CHSA

29407
SC-US CHS

Part # 156148-434 RIT2 10/11

Data Review Qualifier Flag Definition Sheet

Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.

P Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference. For HPLC, the difference is >70%.

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Volatile Analysis

Case Narrative

ChemStation Case Narrative
ARS International, LLC (ARSL)
SDG 2014-4510

Method/Analysis Information

Procedure:	**Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer**
Analytical Method:	SW846 8260B
Prep Method:	SW846 5030
Analytical Batch Number:	1419655
Prep Batch Number:	1419654

Sample Analysis

The following client and quality control samples were analyzed to complete this SDG using the methods referenced in the Analysis Information section:

Sample ID	Client ID
356495001	MD21-14-86033
356495002	MD21-14-86034
356495003	MD21-14-86035
356495004	MD21-14-86055
1203168893	Method Blank (MB)
1203168894	Laboratory Control Sample (LCS)
1203168895	Laboratory Control Sample (LCS)
1203168896	356495001(MD21-14-86033) Post Spike (PS)
1203168897	356495001(MD21-14-86033) Post Spike (PS)
1203168898	356495001(MD21-14-86033) Post Spike Duplicate (PSD)
1203168899	356495001(MD21-14-86033) Post Spike Duplicate (PSD)

NOTE: For volatile organic analyses the matrix spike designations may be indicated as "PS" or "PSD". The "PS" designation (post spike) indicates that the matrix was fortified prior to analysis but after applying any prep factors, such as a dilution. The laboratory considers the MS/MSD and PS/PSD designations interchangeable.

The data results reported met all SOP and method criteria, unless otherwise discussed below.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-038 REV# 21.

Calibration Information

A complete list of the initial calibration data files with the correct dates and times of analysis are shown in the Calibration History report located in the Standard Data section of the data package. The surrogate compounds

were calibrated using a minimum five-point calibration curve. The surrogates wereadded by the auto sampler at a concentration of 50 ug/L or 20 ug/L for low level analyses. GEL Laboratories LLC will not have surrogate recoveries reported for Dibromofluoromethane. This is due to increased regulations for this analyte and an industry shortage.

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Blank (MB) Statement
The blank analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
Surrogate recoveries in all client and quality control samples were within the acceptance limits.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

QC Sample Designation
Sample 356495001 (MD21-14-86033) was designated for spike analysis.

Matrix Spike (PS) Recovery Statement
The spike recoveries were within the required acceptance limits.

Matrix Spike Duplicate (PSD) Recovery Statement
The spike duplicate recoveries were within the required acceptance limits.

Relative Percent Difference (RPD) Statement
The RPDs between the matrix spike pair met the acceptance limits.

Internal Standard (ISTD) Acceptance
The internal standard responses in all client and quality control samples met the required acceptance criteria.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Sample Preservation and Integrity
All samples met the sample preservation and integrity requirements.

Sample Dilutions/Methanol Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-analyses were not required for samples in this SDG.

Holding Times

GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration.

Miscellaneous Information

Electronic Packaging Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative will include the data validator's signature and title. The signature page also includes the data qualifiers used in the fractional package. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Data Exception (DER) Documentation

Data exception reports (DERs) are generated to document procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Manual Integrations

Data files associated with the initial calibration, continuing calibration check, and samples did not require manual integrations.

TIC Comment

Tentatively identified compounds (TIC) may be requested for samples in this delivery group/work order. Please note that non-requested calibrated analytes detected in a client sample may be reported on the Form 1/Certificate of Analysis as TICs. TIC data, if requested, are included on the Sample Data Summary (Form 1) and are also included with the sample raw data.

Additional Comments

Additional comments were not required for this SDG.

Residual Chlorine

Residual Chlorine was not detected in any of the samples in this SDG.

System Configuration

The Volatile-GC/MS analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description	P & T Trap
VOAA.I	Agilent 7890/5975 GC/MS w/ OI Eclipse/Archon Autosampler	HP7890A/HP5975C	DB-624	J&W, 60m x 0.25mm x 1.4um	Trap 10

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all the

requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 − (843) 556−8171 − www.gel.com

Qualifier Definition Report
for

ARSL004 ARS International, LLC (ARS−LANS−MTOA6−25093−GEL)

Client SDG: 2014−4510 GEL Work Order: 356495

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

DL Indicates that sample is diluted.
RA Indicates that sample is re−analyzed without re−extraction.
RE Indicates that sample is re−extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP−like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Erin Haubert **Name:** **Erin Haubert**

Date: **17 SEP 2014** **Title:** **Data Validator**

Sample Data Summary

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**356495001**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86033**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 18:42**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:05**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY213.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
78-93-3	2-Butanone	U	5.18	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
591-78-6	2-Hexanone	U	5.18	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone	U	5.18	ug/kg	1.73	5.18
67-64-1	Acetone	U	5.18	ug/kg	1.73	5.18
71-43-2	Benzene	U	1.04	ug/kg	0.345	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.345	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.345	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.345	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.345	1.04
75-15-0	Carbon disulfide	U	5.18	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.345	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.345	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.345	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.345	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**356495001**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86033**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 18:42**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:05**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY213.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.345	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.345	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.345	1.04
74-88-4	Iodomethane	U	5.18	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.345	1.04
75-09-2	Methylene chloride	U	5.18	ug/kg	1.73	5.18
100-42-5	Styrene	U	1.04	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.345	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.345	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.18	ug/kg	1.73	5.18
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes	U	2.07	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.345	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:40**	**Matrix:**	**SO**
Lab Sample ID:	**356495002**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**14.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86034**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 19:07**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:10**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY214.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.18	ug/kg	0.391	1.18
71-55-6	1,1,1-Trichloroethane	U	1.18	ug/kg	0.391	1.18
79-34-5	1,1,2,2-Tetrachloroethane	U	1.18	ug/kg	0.391	1.18
79-00-5	1,1,2-Trichloroethane	U	1.18	ug/kg	0.391	1.18
75-34-3	1,1-Dichloroethane	U	1.18	ug/kg	0.391	1.18
75-35-4	1,1-Dichloroethylene	U	1.18	ug/kg	0.391	1.18
563-58-6	1,1-Dichloropropene	U	1.18	ug/kg	0.391	1.18
96-18-4	1,2,3-Trichloropropane	U	1.18	ug/kg	0.391	1.18
95-63-6	1,2,4-Trimethylbenzene	U	1.18	ug/kg	0.391	1.18
96-12-8	1,2-Dibromo-3-chloropropane	U	1.18	ug/kg	0.588	1.18
106-93-4	1,2-Dibromoethane	U	1.18	ug/kg	0.391	1.18
95-50-1	1,2-Dichlorobenzene	U	1.18	ug/kg	0.391	1.18
107-06-2	1,2-Dichloroethane	U	1.18	ug/kg	0.391	1.18
78-87-5	1,2-Dichloropropane	U	1.18	ug/kg	0.391	1.18
108-67-8	1,3,5-Trimethylbenzene	U	1.18	ug/kg	0.391	1.18
541-73-1	1,3-Dichlorobenzene	U	1.18	ug/kg	0.391	1.18
142-28-9	1,3-Dichloropropane	U	1.18	ug/kg	0.391	1.18
106-46-7	1,4-Dichlorobenzene	U	1.18	ug/kg	0.391	1.18
594-20-7	2,2-Dichloropropane	U	1.18	ug/kg	0.391	1.18
78-93-3	2-Butanone	U	5.88	ug/kg	1.96	5.88
95-49-8	2-Chlorotoluene	U	1.18	ug/kg	0.391	1.18
591-78-6	2-Hexanone	U	5.88	ug/kg	1.96	5.88
106-43-4	4-Chlorotoluene	U	1.18	ug/kg	0.391	1.18
99-87-6	4-Isopropyltoluene	U	1.18	ug/kg	0.391	1.18
108-10-1	4-Methyl-2-pentanone	U	5.88	ug/kg	1.96	5.88
67-64-1	Acetone	U	5.88	ug/kg	1.96	5.88
71-43-2	Benzene	U	1.18	ug/kg	0.391	1.18
108-86-1	Bromobenzene	U	1.18	ug/kg	0.391	1.18
74-97-5	Bromochloromethane	U	1.18	ug/kg	0.391	1.18
75-27-4	Bromodichloromethane	U	1.18	ug/kg	0.391	1.18
75-25-2	Bromoform	U	1.18	ug/kg	0.391	1.18
74-83-9	Bromomethane	U	1.18	ug/kg	0.391	1.18
75-15-0	Carbon disulfide	U	5.88	ug/kg	1.96	5.88
56-23-5	Carbon tetrachloride	U	1.18	ug/kg	0.391	1.18
108-90-7	Chlorobenzene	U	1.18	ug/kg	0.391	1.18
75-00-3	Chloroethane	U	1.18	ug/kg	0.391	1.18
67-66-3	Chloroform	U	1.18	ug/kg	0.391	1.18
74-87-3	Chloromethane	U	1.18	ug/kg	0.391	1.18

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:40**	**Matrix:**	**SO**
Lab Sample ID:	**356495002**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**14.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86034**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 19:07**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:10**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY214.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.18	ug/kg	0.391	1.18
74-95-3	Dibromomethane	U	1.18	ug/kg	0.391	1.18
75-71-8	Dichlorodifluoromethane	U	1.18	ug/kg	0.391	1.18
100-41-4	Ethylbenzene	U	1.18	ug/kg	0.391	1.18
74-88-4	Iodomethane	U	5.88	ug/kg	1.96	5.88
98-82-8	Isopropylbenzene	U	1.18	ug/kg	0.391	1.18
75-09-2	Methylene chloride	U	5.88	ug/kg	1.96	5.88
100-42-5	Styrene	U	1.18	ug/kg	0.391	1.18
127-18-4	Tetrachloroethylene	U	1.18	ug/kg	0.391	1.18
108-88-3	Toluene	U	1.18	ug/kg	0.391	1.18
79-01-6	Trichloroethylene	U	1.18	ug/kg	0.391	1.18
75-69-4	Trichlorofluoromethane	U	1.18	ug/kg	0.391	1.18
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.88	ug/kg	1.96	5.88
75-01-4	Vinyl chloride	U	1.18	ug/kg	0.391	1.18
156-59-2	cis-1,2-Dichloroethylene	U	1.18	ug/kg	0.391	1.18
10061-01-5	cis-1,3-Dichloropropylene	U	1.18	ug/kg	0.391	1.18
179601-23-1	m,p-Xylenes	U	2.35	ug/kg	0.784	2.35
104-51-8	n-Butylbenzene	U	1.18	ug/kg	0.391	1.18
103-65-1	n-Propylbenzene	U	1.18	ug/kg	0.391	1.18
95-47-6	o-Xylene	U	1.18	ug/kg	0.391	1.18
135-98-8	sec-Butylbenzene	U	1.18	ug/kg	0.391	1.18
98-06-6	tert-Butylbenzene	U	1.18	ug/kg	0.391	1.18
156-60-5	trans-1,2-Dichloroethylene	U	1.18	ug/kg	0.391	1.18
10061-02-6	trans-1,3-Dichloropropylene	U	1.18	ug/kg	0.391	1.18

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 15:20**	**Matrix:**	**SO**
Lab Sample ID:	**356495003**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86035**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 19:32**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:11**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY215.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.346	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.346	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.346	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.346	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.346	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.346	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.346	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.346	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.346	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.520	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.346	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.346	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.346	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.346	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.346	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.346	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.346	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.346	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.346	1.04
78-93-3	2-Butanone	U	5.20	ug/kg	1.73	5.20
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.346	1.04
591-78-6	2-Hexanone	U	5.20	ug/kg	1.73	5.20
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.346	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.346	1.04
108-10-1	4-Methyl-2-pentanone	U	5.20	ug/kg	1.73	5.20
67-64-1	Acetone	U	5.20	ug/kg	1.73	5.20
71-43-2	Benzene	U	1.04	ug/kg	0.346	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.346	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.346	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.346	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.346	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.346	1.04
75-15-0	Carbon disulfide	U	5.20	ug/kg	1.73	5.20
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.346	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.346	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.346	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.346	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.346	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 15:20**	**Matrix:**	**SO**
Lab Sample ID:	**356495003**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.9**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86035**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 19:32**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:11**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY215.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.346	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.346	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.346	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.346	1.04
74-88-4	Iodomethane	U	5.20	ug/kg	1.73	5.20
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.346	1.04
75-09-2	Methylene chloride	U	5.20	ug/kg	1.73	5.20
100-42-5	Styrene	U	1.04	ug/kg	0.346	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.346	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.346	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.346	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.346	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.20	ug/kg	1.73	5.20
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.346	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.346	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.346	1.04
179601-23-1	m,p-Xylenes	U	2.08	ug/kg	0.694	2.08
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.346	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.346	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.346	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.346	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.346	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.346	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.346	1.04

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 15:20**	**Matrix:**	**SO**
Lab Sample ID:	**356495004**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**4.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86055**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 19:56**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:12**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY216.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.348	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.348	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.348	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.348	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.348	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.348	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.348	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.348	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.348	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.522	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.348	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.348	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.348	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.348	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.348	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.348	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.348	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.348	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.348	1.04
78-93-3	2-Butanone	U	5.22	ug/kg	1.74	5.22
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.348	1.04
591-78-6	2-Hexanone	U	5.22	ug/kg	1.74	5.22
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.348	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.348	1.04
108-10-1	4-Methyl-2-pentanone	U	5.22	ug/kg	1.74	5.22
67-64-1	Acetone	U	5.22	ug/kg	1.74	5.22
71-43-2	Benzene	U	1.04	ug/kg	0.348	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.348	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.348	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.348	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.348	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.348	1.04
75-15-0	Carbon disulfide	U	5.22	ug/kg	1.74	5.22
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.348	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.348	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.348	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.348	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.348	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 15:20**	**Matrix:**	**SO**
Lab Sample ID:	**356495004**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**4.2**
		Client:	**ARSL004**	**Project:**	**LANL00114**
Client ID:	**MD21-14-86055**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 19:56**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:12**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY216.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.348	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.348	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.348	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.348	1.04
74-88-4	Iodomethane	U	5.22	ug/kg	1.74	5.22
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.348	1.04
75-09-2	Methylene chloride	U	5.22	ug/kg	1.74	5.22
100-42-5	Styrene	U	1.04	ug/kg	0.348	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.348	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.348	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.348	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.348	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.22	ug/kg	1.74	5.22
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.348	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.348	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.348	1.04
179601-23-1	m,p-Xylenes	U	2.09	ug/kg	0.696	2.09
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.348	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.348	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.348	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.348	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.348	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.348	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.348	1.04

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Quality Control Summary

Volatile

Surrogate Recovery Report

SDG Number: 2014-4510

Matrix Type: SOLID

Sample ID	Client ID	DCED4 %REC	TOL %REC	BFB %REC
1203168894	LCS for batch 1419654	102	100	102
1203168895	LCS for batch 1419654	100	99	102
1203168893	MB for batch 1419654	95	101	101
356495001	MD21-14-86033	108	98	101
356495002	MD21-14-86034	108	99	101
356495003	MD21-14-86035	110	99	102
356495004	MD21-14-86055	109	100	101
1203168896	MD21-14-86033PS	112	101	104
1203168898	MD21-14-86033PSD	113	101	104
1203168897	MD21-14-86033PS	108	99	104
1203168899	MD21-14-86033PSD	107	102	106

Surrogate		Acceptance Limits
DCED4	= 1,2-Dichloroethane-d4	(70%-128%)
TOL	= Toluene-d8	(80%-120%)
BFB	= Bromofluorobenzene	(63%-138%)

* Recovery outside Acceptance Limits

\# Column to be used to flag recovery values

D Sample Diluted

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168894**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:01**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
179601-23-1	LCS	m,p-Xylenes	100	0.0	101	101	77-120
67-64-1	LCS	Acetone	250	0.0	237	95	58-145
74-88-4	LCS	Iodomethane	250	0.0	242	97	69-125
75-15-0	LCS	Carbon disulfide	250	0.0	249	100	71-135
78-93-3	LCS	2-Butanone	250	0.0	233	93	58-147
108-10-1	LCS	4-Methyl-2-pentanone	250	0.0	256	102	68-129
591-78-6	LCS	2-Hexanone	250	0.0	251	100	62-147
75-71-8	LCS	Dichlorodifluoromethane	50.0	0.0	52.7	105	53-130
74-87-3	LCS	Chloromethane	50.0	0.0	51.4	103	58-122
75-01-4	LCS	Vinyl chloride	50.0	0.0	53.3	107	60-126
74-83-9	LCS	Bromomethane	50.0	0.0	40.9	82	63-124
75-00-3	LCS	Chloroethane	50.0	0.0	50.0	100	68-120
75-69-4	LCS	Trichlorofluoromethane	50.0	0.0	49.6	99	67-128
75-35-4	LCS	1,1-Dichloroethylene	50.0	0.0	47.2	94	68-125
75-09-2	LCS	Methylene chloride	50.0	0.0	48.5	97	68-120
156-60-5	LCS	trans-1,2-Dichloroethylene	50.0	0.0	48.1	96	70-120
75-34-3	LCS	1,1-Dichloroethane	50.0	0.0	48.8	98	72-120
156-59-2	LCS	cis-1,2-Dichloroethylene	50.0	0.0	49.2	98	74-120
594-20-7	LCS	2,2-Dichloropropane	50.0	0.0	53.3	107	75-129
74-97-5	LCS	Bromochloromethane	50.0	0.0	50.5	101	75-120
67-66-3	LCS	Chloroform	50.0	0.0	49.9	100	73-120
71-55-6	LCS	1,1,1-Trichloroethane	50.0	0.0	51.8	104	74-129

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168894**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:01**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
563-58-6	LCS	1,1-Dichloropropene	50.0	0.0	48.5	97	71-123
56-23-5	LCS	Carbon tetrachloride	50.0	0.0	53.1	106	75-133
107-06-2	LCS	1,2-Dichloroethane	50.0	0.0	49.8	100	69-120
71-43-2	LCS	Benzene	50.0	0.0	47.7	95	72-120
79-01-6	LCS	Trichloroethylene	50.0	0.0	49.0	98	75-122
78-87-5	LCS	1,2-Dichloropropane	50.0	0.0	49.6	99	74-120
74-95-3	LCS	Dibromomethane	50.0	0.0	50.5	101	75-120
75-27-4	LCS	Bromodichloromethane	50.0	0.0	54.4	109	76-123
10061-01-5	LCS	cis-1,3-Dichloropropylene	50.0	0.0	54.6	109	76-124
108-88-3	LCS	Toluene	50.0	0.0	49.2	98	75-120
10061-02-6	LCS	trans-1,3-Dichloropropylene	50.0	0.0	56.1	112	76-123
79-00-5	LCS	1,1,2-Trichloroethane	50.0	0.0	50.4	101	75-120
142-28-9	LCS	1,3-Dichloropropane	50.0	0.0	51.0	102	72-120
127-18-4	LCS	Tetrachloroethylene	50.0	0.0	48.6	97	73-122
124-48-1	LCS	Dibromochloromethane	50.0	0.0	60.1	120	71-128
106-93-4	LCS	1,2-Dibromoethane	50.0	0.0	52.6	105	79-120
108-90-7	LCS	Chlorobenzene	50.0	0.0	48.5	97	76-120
100-41-4	LCS	Ethylbenzene	50.0	0.0	50.4	101	76-120
95-47-6	LCS	o-Xylene	50.0	0.0	52.2	104	77-120
100-42-5	LCS	Styrene	50.0	0.0	55.2	110	78-122
75-25-2	LCS	Bromoform	50.0	0.0	61.0	122	65-128
98-82-8	LCS	Isopropylbenzene	50.0	0.0	52.9	106	75-121

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168894**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:01**
Dilution: 1
Prep Batch ID: **1419654**
Batch ID: **1419655**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
79-34-5	LCS	1,1,2,2-Tetrachloroethane	50.0	0.0	52.8	106	73-121
96-18-4	LCS	1,2,3-Trichloropropane	50.0	0.0	51.0	102	72-120
108-86-1	LCS	Bromobenzene	50.0	0.0	50.5	101	76-120
103-65-1	LCS	n-Propylbenzene	50.0	0.0	49.4	99	74-120
108-67-8	LCS	1,3,5-Trimethylbenzene	50.0	0.0	52.8	106	76-120
95-49-8	LCS	2-Chlorotoluene	50.0	0.0	50.0	100	75-120
106-43-4	LCS	4-Chlorotoluene	50.0	0.0	51.1	102	75-120
98-06-6	LCS	tert-Butylbenzene	50.0	0.0	53.1	106	75-125
95-63-6	LCS	1,2,4-Trimethylbenzene	50.0	0.0	51.2	102	75-120
135-98-8	LCS	sec-Butylbenzene	50.0	0.0	52.3	105	75-121
99-87-6	LCS	4-Isopropyltoluene	50.0	0.0	52.0	104	76-124
541-73-1	LCS	1,3-Dichlorobenzene	50.0	0.0	49.6	99	75-120
106-46-7	LCS	1,4-Dichlorobenzene	50.0	0.0	48.3	97	74-120
104-51-8	LCS	n-Butylbenzene	50.0	0.0	51.0	102	74-125
96-12-8	LCS	1,2-Dibromo-3-chloropropane	50.0	0.0	59.9	120	60-132
630-20-6	LCS	1,1,1,2-Tetrachloroethane	50.0	0.0	54.9	110	79-123
95-50-1	LCS	1,2-Dichlorobenzene	50.0	0.0	49.9	100	76-120

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **LCS for batch 1419654**
Lab Sample ID **1203168895**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **SOIL**
Analysis Date: **09/16/2014 15:50**
Dilution: 1
Prep Batch ID: **1419654**
Batch ID: **1419655**

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
76-13-1	LCS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.0	211	84	65-138

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **MD21-14-86033PS**
Lab Sample ID **1203168896**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 22:50**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
179601-23-1	PS	m,p-Xylenes	100	0.00	U	77.9	78	54-132
67-64-1	PS	Acetone	250	0.00	U	164	66	34-151
74-88-4	PS	Iodomethane	250	0.00	U	211	84	58-137
75-15-0	PS	Carbon disulfide	250	0.00	U	217	87	56-145
78-93-3	PS	2-Butanone	250	0.00	U	187	75	40-148
108-10-1	PS	4-Methyl-2-pentanone	250	0.00	U	241	97	57-136
591-78-6	PS	2-Hexanone	250	0.00	U	224	90	43-149
75-71-8	PS	Dichlorodifluoromethane	50.0	0.00	U	45.7	91	35-139
74-87-3	PS	Chloromethane	50.0	0.00	U	44.0	88	47-137
75-01-4	PS	Vinyl chloride	50.0	0.00	U	46.4	93	54-136
74-83-9	PS	Bromomethane	50.0	0.00	U	34.2	68	30-135
75-00-3	PS	Chloroethane	50.0	0.00	U	41.5	83	47-129
75-69-4	PS	Trichlorofluoromethane	50.0	0.00	U	43.1	86	61-132
75-35-4	PS	1,1-Dichloroethylene	50.0	0.00	U	42.2	84	59-134
75-09-2	PS	Methylene chloride	50.0	0.00	U	40.7	81	62-124
156-60-5	PS	trans-1,2-Dichloroethylene	50.0	0.00	U	42.9	86	61-128
75-34-3	PS	1,1-Dichloroethane	50.0	0.00	U	43.8	88	65-126
156-59-2	PS	cis-1,2-Dichloroethylene	50.0	0.00	U	42.6	85	66-126
594-20-7	PS	2,2-Dichloropropane	50.0	0.00	U	46.2	92	65-132
74-97-5	PS	Bromochloromethane	50.0	0.00	U	43.9	88	69-127
67-66-3	PS	Chloroform	50.0	0.00	U	44.8	90	67-125
71-55-6	PS	1,1,1-Trichloroethane	50.0	0.00	U	47.1	94	65-134

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **MD21-14-86033PS**
Lab Sample ID **1203168896**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 22:50**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
563-58-6	PS	1,1-Dichloropropene	50.0	0.00	U	43.2	86	60-132
56-23-5	PS	Carbon tetrachloride	50.0	0.00	U	48.2	96	62-138
107-06-2	PS	1,2-Dichloroethane	50.0	0.00	U	46.2	92	63-119
71-43-2	PS	Benzene	50.0	0.00	U	41.4	83	63-124
79-01-6	PS	Trichloroethylene	50.0	0.00	U	42.8	86	60-135
78-87-5	PS	1,2-Dichloropropane	50.0	0.00	U	42.9	86	65-122
74-95-3	PS	Dibromomethane	50.0	0.00	U	45.8	92	67-122
75-27-4	PS	Bromodichloromethane	50.0	0.00	U	48.2	96	66-127
10061-01-5	PS	cis-1,3-Dichloropropylene	50.0	0.00	U	45.9	92	63-130
108-88-3	PS	Toluene	50.0	0.00	U	40.9	82	58-128
10061-02-6	PS	trans-1,3-Dichloropropylene	50.0	0.00	U	46.9	94	63-128
79-00-5	PS	1,1,2-Trichloroethane	50.0	0.00	U	44.3	89	67-122
142-28-9	PS	1,3-Dichloropropane	50.0	0.00	U	44.9	90	66-117
127-18-4	PS	Tetrachloroethylene	50.0	0.00	U	40.4	81	55-137
124-48-1	PS	Dibromochloromethane	50.0	0.00	U	51.7	103	61-130
106-93-4	PS	1,2-Dibromoethane	50.0	0.00	U	45.6	91	68-127
108-90-7	PS	Chlorobenzene	50.0	0.00	U	38.5	77	60-126
100-41-4	PS	Ethylbenzene	50.0	0.00	U	39.7	79	55-130
95-47-6	PS	o-Xylene	50.0	0.00	U	40.6	81	57-130
100-42-5	PS	Styrene	50.0	0.00	U	42.2	84	59-136
75-25-2	PS	Bromoform	50.0	0.00	U	51.1	102	55-129
98-82-8	PS	Isopropylbenzene	50.0	0.00	U	40.0	80	56-137

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **MD21-14-86033PS**
Lab Sample ID **1203168896**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 22:50**
Prep Batch ID: **1419654**
Batch ID: **1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
79-34-5	PS	1,1,2,2-Tetrachloroethane	50.0	0.00	U	46.2	92	59-132
96-18-4	PS	1,2,3-Trichloropropane	50.0	0.00	U	46.8	94	60-130
108-86-1	PS	Bromobenzene	50.0	0.00	U	38.4	77	60-128
103-65-1	PS	n-Propylbenzene	50.0	0.00	U	35.6	71	53-134
108-67-8	PS	1,3,5-Trimethylbenzene	50.0	0.00	U	38.4	77	54-136
95-49-8	PS	2-Chlorotoluene	50.0	0.00	U	37.0	74	56-131
106-43-4	PS	4-Chlorotoluene	50.0	0.00	U	36.5	73	56-130
98-06-6	PS	tert-Butylbenzene	50.0	0.00	U	38.8	78	55-141
95-63-6	PS	1,2,4-Trimethylbenzene	50.0	0.00	U	36.5	73	54-133
135-98-8	PS	sec-Butylbenzene	50.0	0.00	U	36.8	74	52-139
99-87-6	PS	4-Isopropyltoluene	50.0	0.00	U	35.6	71	49-143
541-73-1	PS	1,3-Dichlorobenzene	50.0	0.00	U	35.3	71	54-130
106-46-7	PS	1,4-Dichlorobenzene	50.0	0.00	U	33.9	68	54-127
104-51-8	PS	n-Butylbenzene	50.0	0.00	U	32.9	66	47-142
96-12-8	PS	1,2-Dibromo-3-chloropropane	50.0	0.00	U	52.2	104	48-135
630-20-6	PS	1,1,1,2-Tetrachloroethane	50.0	0.00	U	46.1	92	66-132
95-50-1	PS	1,2-Dichlorobenzene	50.0	0.00	U	36.1	72	56-128

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168898**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 23:14**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
179601-23-1	PSD	m,p-Xylenes	100	0.00	U	78.7	79	54-132	1	0-20
67-64-1	PSD	Acetone	250	0.00	U	143	57	34-151	14	0-20
74-88-4	PSD	Iodomethane	250	0.00	U	206	83	58-137	2	0-20
75-15-0	PSD	Carbon disulfide	250	0.00	U	216	86	56-145	1	0-20
78-93-3	PSD	2-Butanone	250	0.00	U	165	66	40-148	12	0-20
108-10-1	PSD	4-Methyl-2-pentanone	250	0.00	U	227	91	57-136	6	0-20
591-78-6	PSD	2-Hexanone	250	0.00	U	206	82	43-149	9	0-20
75-71-8	PSD	Dichlorodifluoromethane	50.0	0.00	U	43.3	87	35-139	5	0-20
74-87-3	PSD	Chloromethane	50.0	0.00	U	45.3	91	47-137	3	0-20
75-01-4	PSD	Vinyl chloride	50.0	0.00	U	46.7	93	54-136	1	0-20
74-83-9	PSD	Bromomethane	50.0	0.00	U	34.4	69	30-135	1	0-20
75-00-3	PSD	Chloroethane	50.0	0.00	U	41.3	83	47-129	0	0-20
75-69-4	PSD	Trichlorofluoromethane	50.0	0.00	U	41.7	83	61-132	3	0-20
75-35-4	PSD	1,1-Dichloroethylene	50.0	0.00	U	41.7	83	59-134	1	0-20
75-09-2	PSD	Methylene chloride	50.0	0.00	U	39.3	79	62-124	4	0-20
156-60-5	PSD	trans-1,2-Dichloroethylene	50.0	0.00	U	42.4	85	61-128	1	0-20
75-34-3	PSD	1,1-Dichloroethane	50.0	0.00	U	42.9	86	65-126	2	0-20
156-59-2	PSD	cis-1,2-Dichloroethylene	50.0	0.00	U	42.2	84	66-126	1	0-20
594-20-7	PSD	2,2-Dichloropropane	50.0	0.00	U	45.1	90	65-132	2	0-20
74-97-5	PSD	Bromochloromethane	50.0	0.00	U	43.0	86	69-127	2	0-20
67-66-3	PSD	Chloroform	50.0	0.00	U	43.7	87	67-125	2	0-20
71-55-6	PSD	1,1,1-Trichloroethane	50.0	0.00	U	45.7	91	65-134	3	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168898**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 23:14**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
563-58-6	PSD	1,1-Dichloropropene	50.0	0.00	U	42.9	86	60-132	1	0-20
56-23-5	PSD	Carbon tetrachloride	50.0	0.00	U	47.3	95	62-138	2	0-20
107-06-2	PSD	1,2-Dichloroethane	50.0	0.00	U	43.7	87	63-119	6	0-20
71-43-2	PSD	Benzene	50.0	0.00	U	40.7	81	63-124	2	0-20
79-01-6	PSD	Trichloroethylene	50.0	0.00	U	42.2	84	60-135	1	0-20
78-87-5	PSD	1,2-Dichloropropane	50.0	0.00	U	41.4	83	65-122	4	0-20
74-95-3	PSD	Dibromomethane	50.0	0.00	U	43.3	87	67-122	5	0-20
75-27-4	PSD	Bromodichloromethane	50.0	0.00	U	46.2	92	66-127	4	0-20
10061-01-5	PSD	cis-1,3-Dichloropropylene	50.0	0.00	U	44.0	88	63-130	4	0-20
108-88-3	PSD	Toluene	50.0	0.00	U	40.6	81	58-128	1	0-20
10061-02-6	PSD	trans-1,3-Dichloropropylene	50.0	0.00	U	44.6	89	63-128	5	0-20
79-00-5	PSD	1,1,2-Trichloroethane	50.0	0.00	U	41.8	84	67-122	6	0-20
142-28-9	PSD	1,3-Dichloropropane	50.0	0.00	U	42.3	85	66-117	6	0-20
127-18-4	PSD	Tetrachloroethylene	50.0	0.00	U	40.1	80	55-137	1	0-20
124-48-1	PSD	Dibromochloromethane	50.0	0.00	U	49.2	98	61-130	5	0-20
106-93-4	PSD	1,2-Dibromoethane	50.0	0.00	U	43.4	87	68-127	5	0-20
108-90-7	PSD	Chlorobenzene	50.0	0.00	U	38.3	77	60-126	1	0-20
100-41-4	PSD	Ethylbenzene	50.0	0.00	U	40.0	80	55-130	1	0-20
95-47-6	PSD	o-Xylene	50.0	0.00	U	41.0	82	57-130	1	0-20
100-42-5	PSD	Styrene	50.0	0.00	U	42.0	84	59-136	0	0-20
75-25-2	PSD	Bromoform	50.0	0.00	U	49.1	98	55-129	4	0-20
98-82-8	PSD	Isopropylbenzene	50.0	0.00	U	41.4	83	56-137	3	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **2014-4510**
Client ID: **MD21-14-86033PSD**
Lab Sample ID **1203168898**
Instrument: **VOAA.I**
Analyst: **JEB**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **SO**
%Moisture: **3.5**
Analysis Date: **09/16/2014 23:14**
Prep Batch ID: **1419654**
Batch ID: **1419655**
Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
79-34-5	PSD	1,1,2,2-Tetrachloroethane	50.0	0.00	U	43.8	88	59-132	5	0-20
96-18-4	PSD	1,2,3-Trichloropropane	50.0	0.00	U	44.3	89	60-130	6	0-20
108-86-1	PSD	Bromobenzene	50.0	0.00	U	38.5	77	60-128	0	0-20
103-65-1	PSD	n-Propylbenzene	50.0	0.00	U	36.9	74	53-134	4	0-20
108-67-8	PSD	1,3,5-Trimethylbenzene	50.0	0.00	U	39.4	79	54-136	3	0-20
95-49-8	PSD	2-Chlorotoluene	50.0	0.00	U	37.8	76	56-131	2	0-20
106-43-4	PSD	4-Chlorotoluene	50.0	0.00	U	37.5	75	56-130	3	0-20
98-06-6	PSD	tert-Butylbenzene	50.0	0.00	U	40.5	81	55-141	4	0-20
95-63-6	PSD	1,2,4-Trimethylbenzene	50.0	0.00	U	37.4	75	54-133	3	0-20
135-98-8	PSD	sec-Butylbenzene	50.0	0.00	U	38.3	77	52-139	4	0-20
99-87-6	PSD	4-Isopropyltoluene	50.0	0.00	U	37.0	74	49-143	4	0-20
541-73-1	PSD	1,3-Dichlorobenzene	50.0	0.00	U	35.8	72	54-130	1	0-20
106-46-7	PSD	1,4-Dichlorobenzene	50.0	0.00	U	34.3	69	54-127	1	0-20
104-51-8	PSD	n-Butylbenzene	50.0	0.00	U	34.6	69	47-142	5	0-20
96-12-8	PSD	1,2-Dibromo-3-chloropropane	50.0	0.00	U	48.4	97	48-135	8	0-20
630-20-6	PSD	1,1,1,2-Tetrachloroethane	50.0	0.00	U	45.3	91	66-132	2	0-20
95-50-1	PSD	1,2-Dichlorobenzene	50.0	0.00	U	36.5	73	56-128	1	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4510**	**Sample Type:**	**Post Spike**
Client ID:	**MD21-14-86033PS**	**Matrix:**	**SO**
Lab Sample ID	**1203168897**	**%Moisture:**	**3.5**
Instrument:	**VOAA.I**	**Analysis Date:**	**09/16/2014 23:39**
Analyst:	**JEB**	**Prep Batch ID:**	**1419654**
Purge Vol:	**5 mL**	**Batch ID:**	**1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
76-13-1	PS	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	199	80	55-140

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number:	**2014-4510**	**Sample Type:**	**Post Spike Duplicate**
Client ID:	**MD21-14-86033PSD**	**Matrix:**	**SO**
Lab Sample ID	**1203168899**	**%Moisture:**	**3.5**
Instrument:	**VOAA.I**	**Analysis Date:**	**09/17/2014 00:03**
Analyst:	**JEB**	**Prep Batch ID:**	**1419654**
Purge Vol:	**5 mL**	**Batch ID:**	**1419655**

Dilution: 1

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
76-13-1	PSD	1,1,2-Trichloro-1,2,2-Trifluor *Trichlorotrifluoroethane*	250	0.00	U	200	80	55-140	0	0-20

Method Blank Summary

SDG Number:	**2014-4510**	**Client:**	**ARSL004**	**Matrix:**	**SOIL**
Client ID:	**MB for batch 1419654**	**Instrument ID:**	**VOAA.I**	**Data File:**	**091614\AY208AR.D**
Lab Sample ID:	**1203168893**	**Prep Date:**	**09/16/2014 10:08**	**Analyzed:**	**09/16/14 16:39**
Column:	**DB-624**				

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 1419654	1203168894	091614\AY204AR.D	09/16/14	1501
02	LCS for batch 1419654	1203168895	091614\AY206AR.D	09/16/14	1550
03	MD21-14-86033	356495001	091614\AY213.D	09/16/14	1842
04	MD21-14-86034	356495002	091614\AY214.D	09/16/14	1907
05	MD21-14-86035	356495003	091614\AY215.D	09/16/14	1932
06	MD21-14-86055	356495004	091614\AY216.D	09/16/14	1956
07	MD21-14-86033PS	1203168896	091614\AY223.D	09/16/14	2250
08	MD21-14-86033PSD	1203168898	091614\AY224.D	09/16/14	2314
09	MD21-14-86033PS	1203168897	091614\AY225.D	09/16/14	2339
10	MD21-14-86033PSD	1203168899	091614\AY226.D	09/17/14	0003

Quality Control Data

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168893**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 16:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY208AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168893**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MB for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 16:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY208AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Tentatively Identified Compound Summary

CAS No.	Tentatively Identified Compound (TIC)	RT	Estimated	Units	Fit	Qual
	No Tentatively Identified Compounds Found			ug/kg		

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168894**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:01**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY204AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		54.9	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane		51.8	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane		52.8	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane		50.4	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane		48.8	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene		47.2	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene		48.5	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane		51.0	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene		51.2	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane		59.9	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane		52.6	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene		49.9	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane		49.8	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane		49.6	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene		52.8	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene		49.6	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane		51.0	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene		48.3	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane		53.3	ug/kg	0.333	1.00
78-93-3	2-Butanone		233	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene		50.0	ug/kg	0.333	1.00
591-78-6	2-Hexanone		251	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene		51.1	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene		52.0	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone		256	ug/kg	1.67	5.00
67-64-1	Acetone		237	ug/kg	1.67	5.00
71-43-2	Benzene		47.7	ug/kg	0.333	1.00
108-86-1	Bromobenzene		50.5	ug/kg	0.333	1.00
74-97-5	Bromochloromethane		50.5	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane		54.4	ug/kg	0.333	1.00
75-25-2	Bromoform		61.0	ug/kg	0.333	1.00
74-83-9	Bromomethane		40.9	ug/kg	0.333	1.00
75-15-0	Carbon disulfide		249	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride		53.1	ug/kg	0.333	1.00
108-90-7	Chlorobenzene		48.5	ug/kg	0.333	1.00
75-00-3	Chloroethane		50.0	ug/kg	0.333	1.00
67-66-3	Chloroform		49.9	ug/kg	0.333	1.00
74-87-3	Chloromethane		51.4	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168894**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:01**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY204AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		60.1	ug/kg	0.333	1.00
74-95-3	Dibromomethane		50.5	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane		52.7	ug/kg	0.333	1.00
100-41-4	Ethylbenzene		50.4	ug/kg	0.333	1.00
74-88-4	Iodomethane		242	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene		52.9	ug/kg	0.333	1.00
75-09-2	Methylene chloride		48.5	ug/kg	1.67	5.00
100-42-5	Styrene		55.2	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene		48.6	ug/kg	0.333	1.00
108-88-3	Toluene		49.2	ug/kg	0.333	1.00
79-01-6	Trichloroethylene		49.0	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane		49.6	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.00	ug/kg	1.67	5.00
75-01-4	Vinyl chloride		53.3	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene		49.2	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene		54.6	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes		101	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene		51.0	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene		49.4	ug/kg	0.333	1.00
95-47-6	o-Xylene		52.2	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene		52.3	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene		53.1	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene		48.1	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene		56.1	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168895**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY206AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/kg	0.333	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/kg	0.333	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/kg	0.333	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/kg	0.333	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
563-58-6	1,1-Dichloropropene	U	1.00	ug/kg	0.333	1.00
96-18-4	1,2,3-Trichloropropane	U	1.00	ug/kg	0.333	1.00
95-63-6	1,2,4-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/kg	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/kg	0.333	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/kg	0.333	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
108-67-8	1,3,5-Trimethylbenzene	U	1.00	ug/kg	0.333	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
142-28-9	1,3-Dichloropropane	U	1.00	ug/kg	0.333	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/kg	0.333	1.00
594-20-7	2,2-Dichloropropane	U	1.00	ug/kg	0.333	1.00
78-93-3	2-Butanone	U	5.00	ug/kg	1.67	5.00
95-49-8	2-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
591-78-6	2-Hexanone	U	5.00	ug/kg	1.67	5.00
106-43-4	4-Chlorotoluene	U	1.00	ug/kg	0.333	1.00
99-87-6	4-Isopropyltoluene	U	1.00	ug/kg	0.333	1.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/kg	1.67	5.00
67-64-1	Acetone	U	5.00	ug/kg	1.67	5.00
71-43-2	Benzene	U	1.00	ug/kg	0.333	1.00
108-86-1	Bromobenzene	U	1.00	ug/kg	0.333	1.00
74-97-5	Bromochloromethane	U	1.00	ug/kg	0.333	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/kg	0.333	1.00
75-25-2	Bromoform	U	1.00	ug/kg	0.333	1.00
74-83-9	Bromomethane	U	1.00	ug/kg	0.333	1.00
75-15-0	Carbon disulfide	U	5.00	ug/kg	1.67	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/kg	0.333	1.00
108-90-7	Chlorobenzene	U	1.00	ug/kg	0.333	1.00
75-00-3	Chloroethane	U	1.00	ug/kg	0.333	1.00
67-66-3	Chloroform	U	1.00	ug/kg	0.333	1.00
74-87-3	Chloromethane	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**			**Matrix:**	**SOIL**
Lab Sample ID:	**1203168895**				
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**LCS for batch 1419654**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 15:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 10:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY206AR.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.00	ug/kg	0.333	1.00
74-95-3	Dibromomethane	U	1.00	ug/kg	0.333	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/kg	0.333	1.00
100-41-4	Ethylbenzene	U	1.00	ug/kg	0.333	1.00
74-88-4	Iodomethane	U	5.00	ug/kg	1.67	5.00
98-82-8	Isopropylbenzene	U	1.00	ug/kg	0.333	1.00
75-09-2	Methylene chloride	U	5.00	ug/kg	1.67	5.00
100-42-5	Styrene	U	1.00	ug/kg	0.333	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/kg	0.333	1.00
108-88-3	Toluene	U	1.00	ug/kg	0.333	1.00
79-01-6	Trichloroethylene	U	1.00	ug/kg	0.333	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/kg	0.333	1.00
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		211	ug/kg	1.67	5.00
75-01-4	Vinyl chloride	U	1.00	ug/kg	0.333	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/kg	0.667	2.00
104-51-8	n-Butylbenzene	U	1.00	ug/kg	0.333	1.00
103-65-1	n-Propylbenzene	U	1.00	ug/kg	0.333	1.00
95-47-6	o-Xylene	U	1.00	ug/kg	0.333	1.00
135-98-8	sec-Butylbenzene	U	1.00	ug/kg	0.333	1.00
98-06-6	tert-Butylbenzene	U	1.00	ug/kg	0.333	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/kg	0.333	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/kg	0.333	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168896**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:06**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY223.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		47.8	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane		48.8	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane		47.8	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane		45.9	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane		45.4	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene		43.8	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene		44.8	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane		48.5	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene		37.8	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane		54.1	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane		47.3	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene		37.4	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane		47.9	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane		44.5	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene		39.7	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene		36.6	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane		46.5	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene		35.2	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane		47.8	ug/kg	0.345	1.04
78-93-3	2-Butanone		193	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene		38.3	ug/kg	0.345	1.04
591-78-6	2-Hexanone		233	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene		37.8	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene		36.9	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone		250	ug/kg	1.73	5.18
67-64-1	Acetone		170	ug/kg	1.73	5.18
71-43-2	Benzene		42.9	ug/kg	0.345	1.04
108-86-1	Bromobenzene		39.8	ug/kg	0.345	1.04
74-97-5	Bromochloromethane		45.5	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane		49.9	ug/kg	0.345	1.04
75-25-2	Bromoform		53.0	ug/kg	0.345	1.04
74-83-9	Bromomethane		35.4	ug/kg	0.345	1.04
75-15-0	Carbon disulfide		225	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride		49.9	ug/kg	0.345	1.04
108-90-7	Chlorobenzene		39.9	ug/kg	0.345	1.04
75-00-3	Chloroethane		43.0	ug/kg	0.345	1.04
67-66-3	Chloroform		46.4	ug/kg	0.345	1.04
74-87-3	Chloromethane		45.6	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168896**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 22:50**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:06**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY223.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		53.6	ug/kg	0.345	1.04
74-95-3	Dibromomethane		47.4	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane		47.3	ug/kg	0.345	1.04
100-41-4	Ethylbenzene		41.1	ug/kg	0.345	1.04
74-88-4	Iodomethane		219	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene		41.5	ug/kg	0.345	1.04
75-09-2	Methylene chloride		42.2	ug/kg	1.73	5.18
100-42-5	Styrene		43.7	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene		41.8	ug/kg	0.345	1.04
108-88-3	Toluene		42.4	ug/kg	0.345	1.04
79-01-6	Trichloroethylene		44.3	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane		44.7	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.18	ug/kg	1.73	5.18
75-01-4	Vinyl chloride		48.1	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene		44.2	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene		47.6	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes		80.7	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene		34.1	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene		36.9	ug/kg	0.345	1.04
95-47-6	o-Xylene		42.0	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene		38.1	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene		40.2	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene		44.4	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene		48.6	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168897**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY225.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
78-93-3	2-Butanone	U	5.18	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
591-78-6	2-Hexanone	U	5.18	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone	U	5.18	ug/kg	1.73	5.18
67-64-1	Acetone	U	5.18	ug/kg	1.73	5.18
71-43-2	Benzene	U	1.04	ug/kg	0.345	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.345	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.345	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.345	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.345	1.04
75-15-0	Carbon disulfide	U	5.18	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.345	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.345	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.345	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.345	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168897**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:39**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:08**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY225.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.345	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.345	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.345	1.04
74-88-4	Iodomethane	U	5.18	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.345	1.04
75-09-2	Methylene chloride	U	5.18	ug/kg	1.73	5.18
100-42-5	Styrene	U	1.04	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.345	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.345	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		207	ug/kg	1.73	5.18
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes	U	2.07	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.345	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168898**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:14**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:07**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY224.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane		47.0	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane		47.4	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane		45.4	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane		43.3	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane		44.5	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene		43.2	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene		44.5	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane		45.9	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene		38.8	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane		50.2	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane		45.0	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene		37.8	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane		45.2	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane		42.9	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene		40.8	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene		37.1	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane		43.8	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene		35.6	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane		46.7	ug/kg	0.345	1.04
78-93-3	2-Butanone		171	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene		39.2	ug/kg	0.345	1.04
591-78-6	2-Hexanone		213	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene		38.9	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene		38.4	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone		235	ug/kg	1.73	5.18
67-64-1	Acetone		148	ug/kg	1.73	5.18
71-43-2	Benzene		42.2	ug/kg	0.345	1.04
108-86-1	Bromobenzene		39.9	ug/kg	0.345	1.04
74-97-5	Bromochloromethane		44.6	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane		47.8	ug/kg	0.345	1.04
75-25-2	Bromoform		50.9	ug/kg	0.345	1.04
74-83-9	Bromomethane		35.6	ug/kg	0.345	1.04
75-15-0	Carbon disulfide		224	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride		49.0	ug/kg	0.345	1.04
108-90-7	Chlorobenzene		39.7	ug/kg	0.345	1.04
75-00-3	Chloroethane		42.8	ug/kg	0.345	1.04
67-66-3	Chloroform		45.3	ug/kg	0.345	1.04
74-87-3	Chloromethane		46.9	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168898**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/16/2014 23:14**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:07**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY224.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane		51.0	ug/kg	0.345	1.04
74-95-3	Dibromomethane		44.9	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane		44.9	ug/kg	0.345	1.04
100-41-4	Ethylbenzene		41.4	ug/kg	0.345	1.04
74-88-4	Iodomethane		214	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene		42.9	ug/kg	0.345	1.04
75-09-2	Methylene chloride		40.7	ug/kg	1.73	5.18
100-42-5	Styrene		43.5	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene		41.6	ug/kg	0.345	1.04
108-88-3	Toluene		42.1	ug/kg	0.345	1.04
79-01-6	Trichloroethylene		43.8	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane		43.2	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*	U	5.18	ug/kg	1.73	5.18
75-01-4	Vinyl chloride		48.4	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene		43.7	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene		45.6	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes		81.6	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene		35.9	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene		38.2	ug/kg	0.345	1.04
95-47-6	o-Xylene		42.5	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene		39.7	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene		42.0	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene		43.9	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene		46.3	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168899**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/17/2014 00:03**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:09**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY226.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
630-20-6	1,1,1,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
71-55-6	1,1,1-Trichloroethane	U	1.04	ug/kg	0.345	1.04
79-34-5	1,1,2,2-Tetrachloroethane	U	1.04	ug/kg	0.345	1.04
79-00-5	1,1,2-Trichloroethane	U	1.04	ug/kg	0.345	1.04
75-34-3	1,1-Dichloroethane	U	1.04	ug/kg	0.345	1.04
75-35-4	1,1-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
563-58-6	1,1-Dichloropropene	U	1.04	ug/kg	0.345	1.04
96-18-4	1,2,3-Trichloropropane	U	1.04	ug/kg	0.345	1.04
95-63-6	1,2,4-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
96-12-8	1,2-Dibromo-3-chloropropane	U	1.04	ug/kg	0.518	1.04
106-93-4	1,2-Dibromoethane	U	1.04	ug/kg	0.345	1.04
95-50-1	1,2-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
107-06-2	1,2-Dichloroethane	U	1.04	ug/kg	0.345	1.04
78-87-5	1,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
108-67-8	1,3,5-Trimethylbenzene	U	1.04	ug/kg	0.345	1.04
541-73-1	1,3-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
142-28-9	1,3-Dichloropropane	U	1.04	ug/kg	0.345	1.04
106-46-7	1,4-Dichlorobenzene	U	1.04	ug/kg	0.345	1.04
594-20-7	2,2-Dichloropropane	U	1.04	ug/kg	0.345	1.04
78-93-3	2-Butanone	U	5.18	ug/kg	1.73	5.18
95-49-8	2-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
591-78-6	2-Hexanone	U	5.18	ug/kg	1.73	5.18
106-43-4	4-Chlorotoluene	U	1.04	ug/kg	0.345	1.04
99-87-6	4-Isopropyltoluene	U	1.04	ug/kg	0.345	1.04
108-10-1	4-Methyl-2-pentanone	U	5.18	ug/kg	1.73	5.18
67-64-1	Acetone	U	5.18	ug/kg	1.73	5.18
71-43-2	Benzene	U	1.04	ug/kg	0.345	1.04
108-86-1	Bromobenzene	U	1.04	ug/kg	0.345	1.04
74-97-5	Bromochloromethane	U	1.04	ug/kg	0.345	1.04
75-27-4	Bromodichloromethane	U	1.04	ug/kg	0.345	1.04
75-25-2	Bromoform	U	1.04	ug/kg	0.345	1.04
74-83-9	Bromomethane	U	1.04	ug/kg	0.345	1.04
75-15-0	Carbon disulfide	U	5.18	ug/kg	1.73	5.18
56-23-5	Carbon tetrachloride	U	1.04	ug/kg	0.345	1.04
108-90-7	Chlorobenzene	U	1.04	ug/kg	0.345	1.04
75-00-3	Chloroethane	U	1.04	ug/kg	0.345	1.04
67-66-3	Chloroform	U	1.04	ug/kg	0.345	1.04
74-87-3	Chloromethane	U	1.04	ug/kg	0.345	1.04

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4510**	**Date Collected:**	**09/09/2014 14:04**	**Matrix:**	**SO**
Lab Sample ID:	**1203168899**	**Date Received:**	**09/11/2014 09:15**	**%Moisture:**	**3.5**
Client Sample:	**QC for batch 1419654**	**Client:**	**ARSL004**	**Project:**	**QC**
Client ID:	**MD21-14-86033PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1419655**	**Inst:**	**VOAA.I**	**Dilution:**	**1**
Run Date:	**09/17/2014 00:03**	**Analyst:**	**JEB**	**Purge Vol:**	**5 mL**
Prep Date:	**09/16/2014 16:09**	**Aliquot:**	**5 g**	**Final Volume:**	**5 mL**
Data File:	**091614\AY226.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
124-48-1	Dibromochloromethane	U	1.04	ug/kg	0.345	1.04
74-95-3	Dibromomethane	U	1.04	ug/kg	0.345	1.04
75-71-8	Dichlorodifluoromethane	U	1.04	ug/kg	0.345	1.04
100-41-4	Ethylbenzene	U	1.04	ug/kg	0.345	1.04
74-88-4	Iodomethane	U	5.18	ug/kg	1.73	5.18
98-82-8	Isopropylbenzene	U	1.04	ug/kg	0.345	1.04
75-09-2	Methylene chloride	U	5.18	ug/kg	1.73	5.18
100-42-5	Styrene	U	1.04	ug/kg	0.345	1.04
127-18-4	Tetrachloroethylene	U	1.04	ug/kg	0.345	1.04
108-88-3	Toluene	U	1.04	ug/kg	0.345	1.04
79-01-6	Trichloroethylene	U	1.04	ug/kg	0.345	1.04
75-69-4	Trichlorofluoromethane	U	1.04	ug/kg	0.345	1.04
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroetha *Trichlorotrifluoroethane*		207	ug/kg	1.73	5.18
75-01-4	Vinyl chloride	U	1.04	ug/kg	0.345	1.04
156-59-2	cis-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-01-5	cis-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04
179601-23-1	m,p-Xylenes	U	2.07	ug/kg	0.691	2.07
104-51-8	n-Butylbenzene	U	1.04	ug/kg	0.345	1.04
103-65-1	n-Propylbenzene	U	1.04	ug/kg	0.345	1.04
95-47-6	o-Xylene	U	1.04	ug/kg	0.345	1.04
135-98-8	sec-Butylbenzene	U	1.04	ug/kg	0.345	1.04
98-06-6	tert-Butylbenzene	U	1.04	ug/kg	0.345	1.04
156-60-5	trans-1,2-Dichloroethylene	U	1.04	ug/kg	0.345	1.04
10061-02-6	trans-1,3-Dichloropropylene	U	1.04	ug/kg	0.345	1.04

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668547	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	56-23-5	Carbon Tetrachloride	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668546	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	563-58-6	Dichloropropene[1,1-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668560	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	591-78-6	Hexanone[2-]	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668542	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	594-20-7	Dichloropropane[2,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668565	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668533	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	67-64-1	Acetone	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668544	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	67-66-3	Chloroform	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668549	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	71-43-2	Benzene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668545	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668529	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	74-83-9	Bromomethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668527	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	74-87-3	Chloromethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668535	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	74-88-4	Iodomethane	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668552	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	74-95-3	Dibromomethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668543	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	74-97-5	Bromochloromethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668530	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-00-3	Chloroethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668528	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-01-4	Vinyl Chloride	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668537	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-09-2	Methylene Chloride	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668536	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-15-0	Carbon Disulfide	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668570	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-25-2	Bromoform	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668553	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-27-4	Bromodichloromethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668539	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-34-3	Dichloroethane[1,1-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668532	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-35-4	Dichloroethene[1,1-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668531	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-69-4	Trichlorofluoromethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668526	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	75-71-8	Dichlorodifluoromethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668534	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668551	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	78-87-5	Dichloropropane[1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668540	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	78-93-3	Butanone[2-]	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668558	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668550	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	79-01-6	Trichloroethene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668572	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668568	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	95-47-6	Xylene[1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668576	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	95-49-8	Chlorotoluene[2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668587	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668578	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668584	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	3.52	0.518		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668573	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668580	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	98-06-6	Butylbenzene[tert-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668571	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	98-82-8	Isopropylbenzene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668582	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	99-87-6	Isopropyltoluene[4-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668567	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	3.52	0.691		1	0.00207		0.00207	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668628	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	100-41-4	Ethylbenzene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668631	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	100-42-5	Styrene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668616	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668619	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668566	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	100-41-4	Ethylbenzene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668569	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	100-42-5	Styrene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668554	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668557	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668575	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	103-65-1	Propylbenzene[1-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668583	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	104-51-8	Butylbenzene[n-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668579	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	106-43-4	Chlorotoluene[4-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668586	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668563	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	106-93-4	Dibromoethane[1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668548	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	107-06-2	Dichloroethane[1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668555	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	3.52	1.73		1	0.00518		0.00518	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668577	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668574	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	108-86-1	Bromobenzene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668556	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	108-88-3	Toluene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668564	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	108-90-7	Chlorobenzene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668562	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	124-48-1	Chlorodibromomethane	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668561	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	127-18-4	Tetrachloroethene	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668581	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	135-98-8	Butylbenzene[sec-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668559	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	142-28-9	Dichloropropane[1,3-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668541	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668538	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668585	MD21-14-86033	2014-4510	N	HSA	INV	NA	REG	LANL	21-128	18.5-19	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	3.52	0.345		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668637	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	103-65-1	Propylbenzene[1-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668645	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	104-51-8	Butylbenzene[n-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668641	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	106-43-4	Chlorotoluene[4-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668648	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668625	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	106-93-4	Dibromoethane[1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668610	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	107-06-2	Dichloroethane[1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668617	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668639	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668636	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	108-86-1	Bromobenzene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668618	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	108-88-3	Toluene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668626	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	108-90-7	Chlorobenzene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668624	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	124-48-1	Chlorodibromomethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668623	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	127-18-4	Tetrachloroethene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668643	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	135-98-8	Butylbenzene[sec-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668621	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	142-28-9	Dichloropropane[1,3-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668603	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668600	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668647	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668609	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	56-23-5	Carbon Tetrachloride	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668608	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	563-58-6	Dichloropropene[1,1-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668622	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	591-78-6	Hexanone[2-]	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668604	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	594-20-7	Dichloropropane[2,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668627	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668595	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	67-64-1	Acetone	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668606	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	67-66-3	Chloroform	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668611	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	71-43-2	Benzene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668607	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668591	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	74-83-9	Bromomethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668589	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	74-87-3	Chloromethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668597	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	74-88-4	Iodomethane	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668614	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	74-95-3	Dibromomethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668605	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	74-97-5	Bromochloromethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668592	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-00-3	Chloroethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668590	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-01-4	Vinyl Chloride	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668599	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-09-2	Methylene Chloride	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668598	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-15-0	Carbon Disulfide	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668632	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-25-2	Bromoform	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668615	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-27-4	Bromodichloromethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668601	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-34-3	Dichloroethane[1,1-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668594	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-35-4	Dichloroethene[1,1-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668593	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-69-4	Trichlorofluoromethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668588	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	75-71-8	Dichlorodifluoromethane	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668596	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668613	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	78-87-5	Dichloropropane[1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668602	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	78-93-3	Butanone[2-]	14.9	1.96		1	0.00588		0.00588	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668620	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668612	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	79-01-6	Trichloroethene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668634	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668630	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	95-47-6	Xylene[1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668638	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	95-49-8	Chlorotoluene[2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668649	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668640	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668646	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	14.9	0.588		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668635	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668642	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	98-06-6	Butylbenzene[tert-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668633	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	98-82-8	Isopropylbenzene	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668644	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	99-87-6	Isopropyltoluene[4-]	14.9	0.391		1	0.00118		0.00118	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668629	MD21-14-86034	2014-4510	N	HSA	INV	NA	REG	LANL	21-129	20.5-21	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	14.9	0.784		1	0.00235		0.00235	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668690	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	100-41-4	Ethylbenzene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668693	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	100-42-5	Styrene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668678	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668681	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668699	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	103-65-1	Propylbenzene[1-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668707	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	104-51-8	Butylbenzene[n-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668703	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	106-43-4	Chlorotoluene[4-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668710	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668687	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	106-93-4	Dibromoethane[1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668672	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	107-06-2	Dichloroethane[1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668679	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668701	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668698	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	108-86-1	Bromobenzene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668680	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	108-88-3	Toluene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668688	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	108-90-7	Chlorobenzene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668686	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	124-48-1	Chlorodibromomethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668685	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	127-18-4	Tetrachloroethene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668705	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	135-98-8	Butylbenzene[sec-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668683	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	142-28-9	Dichloropropane[1,3-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668665	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668662	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668709	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668671	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	56-23-5	Carbon Tetrachloride	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668670	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	563-58-6	Dichloropropene[1,1-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668684	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	591-78-6	Hexanone[2-]	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668666	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	594-20-7	Dichloropropane[2,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668689	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668657	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	67-64-1	Acetone	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668668	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	67-66-3	Chloroform	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668673	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	71-43-2	Benzene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668669	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668653	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	74-83-9	Bromomethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668651	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	74-87-3	Chloromethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668659	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	74-88-4	Iodomethane	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668676	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	74-95-3	Dibromomethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668667	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	74-97-5	Bromochloromethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668654	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-00-3	Chloroethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668652	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-01-4	Vinyl Chloride	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668661	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-09-2	Methylene Chloride	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668660	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-15-0	Carbon Disulfide	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668694	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-25-2	Bromoform	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668677	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-27-4	Bromodichloromethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668663	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-34-3	Dichloroethane[1,1-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668656	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-35-4	Dichloroethene[1,1-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668655	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-69-4	Trichlorofluoromethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668650	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	75-71-8	Dichlorodifluoromethane	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668658	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668675	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	78-87-5	Dichloropropane[1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668664	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	78-93-3	Butanone[2-]	3.87	1.73		1	0.0052		0.0052	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668682	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668674	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	79-01-6	Trichloroethene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668696	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668692	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	95-47-6	Xylene[1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668700	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	95-49-8	Chlorotoluene[2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668711	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668702	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668708	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	3.87	0.52		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668697	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668704	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	98-06-6	Butylbenzene[tert-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668695	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	98-82-8	Isopropylbenzene	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668706	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	99-87-6	Isopropyltoluene[4-]	3.87	0.346		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668691	MD21-14-86035	2014-4510	N	HSA	INV	NA	REG	LANL	21-130	17.5-18	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	3.87	0.694		1	0.00208		0.00208	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668194	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	100-41-4	Ethylbenzene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668197	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	100-42-5	Styrene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668182	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668185	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668203	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	103-65-1	Propylbenzene[1-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668211	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	104-51-8	Butylbenzene[n-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668207	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	106-43-4	Chlorotoluene[4-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668214	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668191	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	106-93-4	Dibromoethane[1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668176	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	107-06-2	Dichloroethane[1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668183	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668205	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668202	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	108-86-1	Bromobenzene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668184	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	108-88-3	Toluene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668192	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	108-90-7	Chlorobenzene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668190	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	124-48-1	Chlorodibromomethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668189	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	127-18-4	Tetrachloroethene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668209	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	135-98-8	Butylbenzene[sec-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668187	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	142-28-9	Dichloropropane[1,3-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668169	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668166	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668213	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668175	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	56-23-5	Carbon Tetrachloride	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668174	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	563-58-6	Dichloropropene[1,1-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668188	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	591-78-6	Hexanone[2-]	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668170	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	594-20-7	Dichloropropane[2,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668193	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668161	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	67-64-1	Acetone	10.2	1.86		1	0.00563		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668172	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	67-66-3	Chloroform	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668177	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	71-43-2	Benzene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668173	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668157	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	74-83-9	Bromomethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668155	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	74-87-3	Chloromethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668163	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	74-88-4	Iodomethane	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668180	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	74-95-3	Dibromomethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668171	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	74-97-5	Bromochloromethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668158	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-00-3	Chloroethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668156	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-01-4	Vinyl Chloride	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668165	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-09-2	Methylene Chloride	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668164	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-15-0	Carbon Disulfide	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668198	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-25-2	Bromoform	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668181	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-27-4	Bromodichloromethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668167	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-34-3	Dichloroethane[1,1-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668160	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-35-4	Dichloroethene[1,1-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668159	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-69-4	Trichlorofluoromethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668154	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	75-71-8	Dichlorodifluoromethane	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668162	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668179	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	78-87-5	Dichloropropane[1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668168	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	78-93-3	Butanone[2-]	10.2	1.86		1	0.00557		0.00557	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668186	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668178	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	79-01-6	Trichloroethene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668200	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668196	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	95-47-6	Xylene[1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668204	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	95-49-8	Chlorotoluene[2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668215	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668206	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668212	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	10.2	0.557		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668201	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668208	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	98-06-6	Butylbenzene[tert-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668199	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	98-82-8	Isopropylbenzene	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668210	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	99-87-6	Isopropyltoluene[4-]	10.2	0.371		1	0.00111		0.00111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668195	MD21-14-86036	2014-4527	N	HSA	INV	NA	REG	LANL	21-131	8.5-9	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	10.2	0.743		1	0.00223		0.00223	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668256	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	100-41-4	Ethylbenzene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668259	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	100-42-5	Styrene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668244	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668247	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668265	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	103-65-1	Propylbenzene[1-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668273	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	104-51-8	Butylbenzene[n-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668269	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	106-43-4	Chlorotoluene[4-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668276	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668253	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668238	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668245	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668267	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668264	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	108-86-1	Bromobenzene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668246	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	108-88-3	Toluene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668254	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	108-90-7	Chlorobenzene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668252	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	124-48-1	Chlorodibromomethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668251	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	127-18-4	Tetrachloroethene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668271	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	135-98-8	Butylbenzene[sec-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668249	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668231	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668228	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668275	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668237	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	56-23-5	Carbon Tetrachloride	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668236	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668250	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	591-78-6	Hexanone[2-]	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668232	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668255	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668223	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	67-64-1	Acetone	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668234	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	67-66-3	Chloroform	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668239	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	71-43-2	Benzene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668235	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668219	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	74-83-9	Bromomethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668217	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	74-87-3	Chloromethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668225	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	74-88-4	Iodomethane	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668242	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	74-95-3	Dibromomethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668233	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	74-97-5	Bromochloromethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668220	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-00-3	Chloroethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668218	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-01-4	Vinyl Chloride	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668227	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-09-2	Methylene Chloride	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668226	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-15-0	Carbon Disulfide	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668260	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-25-2	Bromoform	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668243	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-27-4	Bromodichloromethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668229	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668222	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668221	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-69-4	Trichlorofluoromethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668216	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	75-71-8	Dichlorodifluoromethane	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668224	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668241	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668230	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	78-93-3	Butanone[2-]	5.09	1.76		1	0.00527		0.00527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668248	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668240	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	79-01-6	Trichloroethene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668262	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668258	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	95-47-6	Xylene[1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668266	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	95-49-8	Chlorotoluene[2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668277	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668268	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668274	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.09	0.527		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668263	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668270	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	98-06-6	Butylbenzene[tert-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668261	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	98-82-8	Isopropylbenzene	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668272	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.09	0.351		1	0.00105		0.00105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668257	MD21-14-86037	2014-4527	N	HSA	INV	NA	REG	LANL	21-132	16.5-17	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.09	0.703		1	0.00211		0.00211	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668318	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	100-41-4	Ethylbenzene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668321	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	100-42-5	Styrene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668306	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668309	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668327	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	103-65-1	Propylbenzene[1-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668335	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	104-51-8	Butylbenzene[n-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668331	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	106-43-4	Chlorotoluene[4-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668338	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668315	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668300	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668307	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668329	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668326	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	108-86-1	Bromobenzene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668308	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	108-88-3	Toluene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668316	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	108-90-7	Chlorobenzene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668314	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	124-48-1	Chlorodibromomethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668313	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	127-18-4	Tetrachloroethene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668333	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	135-98-8	Butylbenzene[sec-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668311	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668293	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668290	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668337	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668299	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	56-23-5	Carbon Tetrachloride	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668298	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668312	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	591-78-6	Hexanone[2-]	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668294	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668317	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668285	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	67-64-1	Acetone	6.17	1.78		1	0.00325		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668296	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	67-66-3	Chloroform	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668301	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	71-43-2	Benzene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668297	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668281	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	74-83-9	Bromomethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668279	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	74-87-3	Chloromethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668287	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	74-88-4	Iodomethane	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668304	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	74-95-3	Dibromomethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668295	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	74-97-5	Bromochloromethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668282	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-00-3	Chloroethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668280	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-01-4	Vinyl Chloride	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668289	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-09-2	Methylene Chloride	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668288	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-15-0	Carbon Disulfide	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668322	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-25-2	Bromoform	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668305	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-27-4	Bromodichloromethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668291	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668284	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668283	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-69-4	Trichlorofluoromethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668278	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	75-71-8	Dichlorodifluoromethane	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668286	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668303	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668292	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	78-93-3	Butanone[2-]	6.17	1.78		1	0.00533		0.00533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668310	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668302	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	79-01-6	Trichloroethene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668324	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668320	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	95-47-6	Xylene[1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668328	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	95-49-8	Chlorotoluene[2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668339	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668330	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668336	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	6.17	0.533		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668325	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668332	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	98-06-6	Butylbenzene[tert-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668323	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	98-82-8	Isopropylbenzene	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668334	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	6.17	0.355		1	0.00107		0.00107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668319	MD21-14-86038	2014-4527	N	HSA	INV	NA	REG	LANL	21-133	20-20.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.17	0.711		1	0.00213		0.00213	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668380	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	100-41-4	Ethylbenzene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668383	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	100-42-5	Styrene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668368	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668371	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668389	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	103-65-1	Propylbenzene[1-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668397	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	104-51-8	Butylbenzene[n-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668393	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	106-43-4	Chlorotoluene[4-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668400	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668377	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	106-93-4	Dibromoethane[1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668362	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	107-06-2	Dichloroethane[1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668369	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668391	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668388	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	108-86-1	Bromobenzene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668370	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	108-88-3	Toluene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668378	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	108-90-7	Chlorobenzene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668376	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	124-48-1	Chlorodibromomethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668375	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	127-18-4	Tetrachloroethene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668395	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	135-98-8	Butylbenzene[sec-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668373	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	142-28-9	Dichloropropane[1,3-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668355	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668352	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668399	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668361	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	56-23-5	Carbon Tetrachloride	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668360	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	563-58-6	Dichloropropene[1,1-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668374	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	591-78-6	Hexanone[2-]	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668356	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	594-20-7	Dichloropropane[2,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668379	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668347	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	67-64-1	Acetone	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668358	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	67-66-3	Chloroform	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668363	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	71-43-2	Benzene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668359	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668343	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	74-83-9	Bromomethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668341	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	74-87-3	Chloromethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668349	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	74-88-4	Iodomethane	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668366	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	74-95-3	Dibromomethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668357	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	74-97-5	Bromochloromethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668344	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-00-3	Chloroethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668342	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-01-4	Vinyl Chloride	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668351	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-09-2	Methylene Chloride	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668350	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-15-0	Carbon Disulfide	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668384	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-25-2	Bromoform	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668367	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-27-4	Bromodichloromethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668353	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-34-3	Dichloroethane[1,1-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668346	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-35-4	Dichloroethene[1,1-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668345	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-69-4	Trichlorofluoromethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668340	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	75-71-8	Dichlorodifluoromethane	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668348	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668365	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	78-87-5	Dichloropropane[1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668354	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	78-93-3	Butanone[2-]	2.88	1.72		1	0.00515		0.00515	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668372	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668364	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	79-01-6	Trichloroethene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668386	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668382	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	95-47-6	Xylene[1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668390	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	95-49-8	Chlorotoluene[2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668401	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668392	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668398	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	2.88	0.515		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668387	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668394	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	98-06-6	Butylbenzene[tert-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668385	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	98-82-8	Isopropylbenzene	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668396	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	99-87-6	Isopropyltoluene[4-]	2.88	0.343		1	0.00103		0.00103	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668381	MD21-14-86039	2014-4527	N	HSA	INV	NA	REG	LANL	21-134	20.5-21	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	2.88	0.687		1	0.00206		0.00206	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668442	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	100-41-4	Ethylbenzene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668445	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	100-42-5	Styrene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668430	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668433	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668451	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	103-65-1	Propylbenzene[1-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668459	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	104-51-8	Butylbenzene[n-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668455	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	106-43-4	Chlorotoluene[4-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668462	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668439	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668424	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668431	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668453	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668450	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	108-86-1	Bromobenzene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668432	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	108-88-3	Toluene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668440	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	108-90-7	Chlorobenzene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668438	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	124-48-1	Chlorodibromomethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668437	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	127-18-4	Tetrachloroethene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668457	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	135-98-8	Butylbenzene[sec-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668435	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668417	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668414	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668461	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668423	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	56-23-5	Carbon Tetrachloride	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668422	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668436	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	591-78-6	Hexanone[2-]	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668418	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668441	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668409	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	67-64-1	Acetone	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668420	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	67-66-3	Chloroform	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668425	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	71-43-2	Benzene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668421	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668405	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	74-83-9	Bromomethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668403	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	74-87-3	Chloromethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668411	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	74-88-4	Iodomethane	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668428	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	74-95-3	Dibromomethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668419	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	74-97-5	Bromochloromethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668406	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-00-3	Chloroethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668404	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-01-4	Vinyl Chloride	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668413	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-09-2	Methylene Chloride	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668412	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-15-0	Carbon Disulfide	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668446	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-25-2	Bromoform	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668429	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-27-4	Bromodichloromethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668415	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668408	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668407	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-69-4	Trichlorofluoromethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668402	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	75-71-8	Dichlorodifluoromethane	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668410	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668427	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668416	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	78-93-3	Butanone[2-]	5.75	1.77		1	0.00531		0.00531	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668434	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668426	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	79-01-6	Trichloroethene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668448	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668444	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	95-47-6	Xylene[1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668452	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	95-49-8	Chlorotoluene[2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668463	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668454	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668460	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.75	0.531		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668449	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668456	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	98-06-6	Butylbenzene[tert-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668447	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	98-82-8	Isopropylbenzene	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668458	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.75	0.353		1	0.00106		0.00106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668443	MD21-14-86040	2014-4527	N	HSA	INV	NA	REG	LANL	21-135	26-26.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.75	0.708		1	0.00212		0.00212	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11667636	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	100-41-4	Ethylbenzene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667639	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	100-42-5	Styrene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667624	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667627	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667645	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	103-65-1	Propylbenzene[1-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667653	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	104-51-8	Butylbenzene[n-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667649	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	106-43-4	Chlorotoluene[4-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667656	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667633	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667618	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667625	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667647	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667644	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	108-86-1	Bromobenzene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667626	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	108-88-3	Toluene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667634	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	108-90-7	Chlorobenzene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667632	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	124-48-1	Chlorodibromomethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667631	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	127-18-4	Tetrachloroethene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667651	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	135-98-8	Butylbenzene[sec-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667629	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667611	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667608	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667655	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667617	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	56-23-5	Carbon Tetrachloride	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667616	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667630	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	591-78-6	Hexanone[2-]	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667612	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667635	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667603	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	67-64-1	Acetone	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667614	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	67-66-3	Chloroform	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667619	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	71-43-2	Benzene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667615	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667599	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	74-83-9	Bromomethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667597	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	74-87-3	Chloromethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667605	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	74-88-4	Iodomethane	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667622	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	74-95-3	Dibromomethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667613	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	74-97-5	Bromochloromethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667600	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-00-3	Chloroethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667598	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-01-4	Vinyl Chloride	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667607	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-09-2	Methylene Chloride	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667606	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-15-0	Carbon Disulfide	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667640	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-25-2	Bromoform	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667623	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-27-4	Bromodichloromethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667609	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667602	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667601	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-69-4	Trichlorofluoromethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667596	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	75-71-8	Dichlorodifluoromethane	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667604	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667621	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667610	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	78-93-3	Butanone[2-]	5.17	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667628	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667620	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	79-01-6	Trichloroethene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667642	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667638	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	95-47-6	Xylene[1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667646	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	95-49-8	Chlorotoluene[2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667657	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667648	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667654	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.17	52.7		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667643	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667650	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	98-06-6	Butylbenzene[tert-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667641	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	98-82-8	Isopropylbenzene	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11667652	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.17	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667637	MD21-14-86041	2014-4540	N	HSA	INV	NA	REG	LANL	21-136	18.5-19	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.17	70.3		50	0.211		0.211	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667698	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	100-41-4	Ethylbenzene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667701	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	100-42-5	Styrene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667686	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667689	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667707	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	103-65-1	Propylbenzene[1-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667715	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	104-51-8	Butylbenzene[n-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667711	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	106-43-4	Chlorotoluene[4-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667718	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667695	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667680	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667687	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667709	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667706	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	108-86-1	Bromobenzene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667688	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	108-88-3	Toluene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667696	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	108-90-7	Chlorobenzene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667694	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	124-48-1	Chlorodibromomethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667693	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	127-18-4	Tetrachloroethene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667713	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	135-98-8	Butylbenzene[sec-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667691	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667673	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667670	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667717	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667679	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	56-23-5	Carbon Tetrachloride	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667678	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667692	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	591-78-6	Hexanone[2-]	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667674	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667697	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667665	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	67-64-1	Acetone	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667676	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	67-66-3	Chloroform	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667681	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	71-43-2	Benzene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667677	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667661	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	74-83-9	Bromomethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667659	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	74-87-3	Chloromethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667667	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	74-88-4	Iodomethane	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667684	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	74-95-3	Dibromomethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667675	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	74-97-5	Bromochloromethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667662	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-00-3	Chloroethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667660	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-01-4	Vinyl Chloride	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667669	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-09-2	Methylene Chloride	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667668	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-15-0	Carbon Disulfide	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667702	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-25-2	Bromoform	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667685	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-27-4	Bromodichloromethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667671	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667664	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667663	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-69-4	Trichlorofluoromethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667658	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	75-71-8	Dichlorodifluoromethane	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667666	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667683	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667672	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	78-93-3	Butanone[2-]	5.07	176		50	0.527		0.527	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667690	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667682	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	79-01-6	Trichloroethene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667704	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667700	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	95-47-6	Xylene[1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667708	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	95-49-8	Chlorotoluene[2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667719	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667710	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667716	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.07	52.7		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667705	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667712	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	98-06-6	Butylbenzene[tert-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667703	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	98-82-8	Isopropylbenzene	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667714	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.07	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667699	MD21-14-86042	2014-4540	N	HSA	INV	NA	REG	LANL	21-137	18.5-19	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.07	70.3		50	0.211		0.211	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667760	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	100-41-4	Ethylbenzene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667763	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	100-42-5	Styrene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667748	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667751	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667769	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	103-65-1	Propylbenzene[1-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667777	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	104-51-8	Butylbenzene[n-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667773	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	106-43-4	Chlorotoluene[4-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667780	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667757	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667742	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667749	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667771	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667768	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	108-86-1	Bromobenzene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667750	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	108-88-3	Toluene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667758	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	108-90-7	Chlorobenzene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667756	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	124-48-1	Chlorodibromomethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667755	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	127-18-4	Tetrachloroethene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667775	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	135-98-8	Butylbenzene[sec-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667753	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667735	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667732	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667779	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667741	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	56-23-5	Carbon Tetrachloride	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667740	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667754	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	591-78-6	Hexanone[2-]	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667736	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667759	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667727	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	67-64-1	Acetone	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667738	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	67-66-3	Chloroform	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667743	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	71-43-2	Benzene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667739	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667723	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	74-83-9	Bromomethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667721	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	74-87-3	Chloromethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667729	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	74-88-4	Iodomethane	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667746	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	74-95-3	Dibromomethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667737	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	74-97-5	Bromochloromethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667724	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-00-3	Chloroethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667722	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-01-4	Vinyl Chloride	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667731	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-09-2	Methylene Chloride	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667730	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-15-0	Carbon Disulfide	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667764	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-25-2	Bromoform	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667747	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-27-4	Bromodichloromethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667733	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667726	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667725	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-69-4	Trichlorofluoromethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667720	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	75-71-8	Dichlorodifluoromethane	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667728	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667745	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667734	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	78-93-3	Butanone[2-]	3.9	173		50	0.52		0.52	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667752	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667744	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	79-01-6	Trichloroethene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667766	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667762	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	95-47-6	Xylene[1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667770	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	95-49-8	Chlorotoluene[2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667781	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667772	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667778	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	3.9	52		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667767	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667774	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	98-06-6	Butylbenzene[tert-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667765	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	98-82-8	Isopropylbenzene	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667776	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	3.9	34.7		50	0.104		0.104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667761	MD21-14-86043	2014-4540	N	HSA	INV	NA	REG	LANL	21-138	14-14.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	3.9	69.4		50	0.208		0.208	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667822	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	100-41-4	Ethylbenzene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667825	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	100-42-5	Styrene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667810	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667813	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667831	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	103-65-1	Propylbenzene[1-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667839	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	104-51-8	Butylbenzene[n-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667835	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	106-43-4	Chlorotoluene[4-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667842	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667819	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667804	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667811	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667833	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667830	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	108-86-1	Bromobenzene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11667812	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	108-88-3	Toluene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667820	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	108-90-7	Chlorobenzene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667818	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	124-48-1	Chlorodibromomethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667817	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	127-18-4	Tetrachloroethene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667837	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	135-98-8	Butylbenzene[sec-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667815	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667797	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667794	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667841	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667803	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	56-23-5	Carbon Tetrachloride	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667802	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667816	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	591-78-6	Hexanone[2-]	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667798	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667821	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667789	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	67-64-1	Acetone	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667800	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	67-66-3	Chloroform	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667805	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	71-43-2	Benzene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667801	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667785	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	74-83-9	Bromomethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667783	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	74-87-3	Chloromethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667791	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	74-88-4	Iodomethane	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667808	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	74-95-3	Dibromomethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667799	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	74-97-5	Bromochloromethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667786	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-00-3	Chloroethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667784	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-01-4	Vinyl Chloride	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667793	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-09-2	Methylene Chloride	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667792	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-15-0	Carbon Disulfide	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667826	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-25-2	Bromoform	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667809	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-27-4	Bromodichloromethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667795	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667788	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667787	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-69-4	Trichlorofluoromethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667782	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	75-71-8	Dichlorodifluoromethane	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667790	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667807	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667796	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	78-93-3	Butanone[2-]	6.18	178		50	0.533		0.533	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667814	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667806	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	79-01-6	Trichloroethene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667828	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667824	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	95-47-6	Xylene[1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667832	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	95-49-8	Chlorotoluene[2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667843	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667834	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667840	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	6.18	53.3		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667829	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667836	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	98-06-6	Butylbenzene[tert-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667827	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	98-82-8	Isopropylbenzene	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667838	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	6.18	35.5		50	0.107		0.107	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667823	MD21-14-86044	2014-4540	N	HSA	INV	NA	REG	LANL	21-139	17-17.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.18	71.1		50	0.213		0.213	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667884	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	100-41-4	Ethylbenzene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667887	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	100-42-5	Styrene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667872	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667875	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667893	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	103-65-1	Propylbenzene[1-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667901	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	104-51-8	Butylbenzene[n-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667897	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	106-43-4	Chlorotoluene[4-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667904	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667881	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667866	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667873	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667895	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667892	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	108-86-1	Bromobenzene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667874	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	108-88-3	Toluene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667882	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	108-90-7	Chlorobenzene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667880	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	124-48-1	Chlorodibromomethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667879	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	127-18-4	Tetrachloroethene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667899	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	135-98-8	Butylbenzene[sec-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667877	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667859	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667856	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667903	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667865	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	56-23-5	Carbon Tetrachloride	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667864	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667878	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	591-78-6	Hexanone[2-]	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667860	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667883	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667851	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	67-64-1	Acetone	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667862	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	67-66-3	Chloroform	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667867	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	71-43-2	Benzene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667863	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667847	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	74-83-9	Bromomethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667845	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	74-87-3	Chloromethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667853	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	74-88-4	Iodomethane	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667870	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	74-95-3	Dibromomethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667861	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	74-97-5	Bromochloromethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667848	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-00-3	Chloroethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667846	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-01-4	Vinyl Chloride	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667855	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-09-2	Methylene Chloride	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667854	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-15-0	Carbon Disulfide	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667888	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-25-2	Bromoform	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667871	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-27-4	Bromodichloromethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667857	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667850	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667849	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-69-4	Trichlorofluoromethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667844	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	75-71-8	Dichlorodifluoromethane	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667852	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667869	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667858	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	78-93-3	Butanone[2-]	9.66	185		50	0.553		0.553	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667876	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667868	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	79-01-6	Trichloroethene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667890	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667886	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	95-47-6	Xylene[1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667894	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	95-49-8	Chlorotoluene[2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667905	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667896	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667902	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	9.66	55.3		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667891	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667898	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	98-06-6	Butylbenzene[tert-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667889	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	98-82-8	Isopropylbenzene	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667900	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	9.66	36.9		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667885	MD21-14-86045	2014-4540	N	HSA	INV	NA	REG	LANL	21-140	15-15.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	9.66	73.8		50	0.221		0.221	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667946	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	100-41-4	Ethylbenzene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667949	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	100-42-5	Styrene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667934	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667937	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667955	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	103-65-1	Propylbenzene[1-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667963	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	104-51-8	Butylbenzene[n-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667959	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	106-43-4	Chlorotoluene[4-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667966	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667943	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667928	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667935	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667957	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667954	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	108-86-1	Bromobenzene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667936	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	108-88-3	Toluene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667944	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	108-90-7	Chlorobenzene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667942	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	124-48-1	Chlorodibromomethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667941	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	127-18-4	Tetrachloroethene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667961	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	135-98-8	Butylbenzene[sec-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667939	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667921	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667918	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667965	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667927	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	56-23-5	Carbon Tetrachloride	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667926	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667940	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	591-78-6	Hexanone[2-]	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667922	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667945	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667913	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	67-64-1	Acetone	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11667924	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	67-66-3	Chloroform	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667929	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	71-43-2	Benzene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667925	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667909	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	74-83-9	Bromomethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667907	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	74-87-3	Chloromethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667915	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	74-88-4	Iodomethane	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667932	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	74-95-3	Dibromomethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667923	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	74-97-5	Bromochloromethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667910	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-00-3	Chloroethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667908	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-01-4	Vinyl Chloride	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667917	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-09-2	Methylene Chloride	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667916	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-15-0	Carbon Disulfide	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667950	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-25-2	Bromoform	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667933	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-27-4	Bromodichloromethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667919	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667912	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667911	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-69-4	Trichlorofluoromethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667906	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	75-71-8	Dichlorodifluoromethane	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667914	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667931	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667920	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	78-93-3	Butanone[2-]	5.5	176		50	0.529		0.529	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667938	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667930	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	79-01-6	Trichloroethene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667952	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667948	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	95-47-6	Xylene[1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667956	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	95-49-8	Chlorotoluene[2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667967	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667958	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667964	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.5	52.9		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667953	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667960	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	98-06-6	Butylbenzene[tert-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667951	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	98-82-8	Isopropylbenzene	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667962	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.5	35.2		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667947	MD21-14-86046	2014-4540	N	HSA	INV	NA	REG	LANL	21-141	8-8.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.5	70.6		50	0.212		0.212	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668008	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	100-41-4	Ethylbenzene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668011	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	100-42-5	Styrene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667996	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667999	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668017	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	103-65-1	Propylbenzene[1-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668025	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	104-51-8	Butylbenzene[n-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668021	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	106-43-4	Chlorotoluene[4-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668028	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668005	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	106-93-4	Dibromoethane[1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667990	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	107-06-2	Dichloroethane[1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667997	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668019	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668016	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	108-86-1	Bromobenzene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667998	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	108-88-3	Toluene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668006	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	108-90-7	Chlorobenzene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668004	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	124-48-1	Chlorodibromomethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668003	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	127-18-4	Tetrachloroethene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668023	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	135-98-8	Butylbenzene[sec-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668001	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	142-28-9	Dichloropropane[1,3-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667983	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667980	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668027	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667989	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	56-23-5	Carbon Tetrachloride	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667988	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	563-58-6	Dichloropropene[1,1-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668002	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	591-78-6	Hexanone[2-]	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667984	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	594-20-7	Dichloropropane[2,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668007	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667975	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	67-64-1	Acetone	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667986	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	67-66-3	Chloroform	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667991	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	71-43-2	Benzene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667987	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667971	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	74-83-9	Bromomethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667969	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	74-87-3	Chloromethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667977	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	74-88-4	Iodomethane	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667994	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	74-95-3	Dibromomethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667985	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	74-97-5	Bromochloromethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667972	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-00-3	Chloroethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667970	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-01-4	Vinyl Chloride	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667979	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-09-2	Methylene Chloride	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667978	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-15-0	Carbon Disulfide	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668012	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-25-2	Bromoform	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667995	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-27-4	Bromodichloromethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667981	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-34-3	Dichloroethane[1,1-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667974	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-35-4	Dichloroethene[1,1-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667973	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-69-4	Trichlorofluoromethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667968	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	75-71-8	Dichlorodifluoromethane	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667976	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667993	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	78-87-5	Dichloropropane[1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667982	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	78-93-3	Butanone[2-]	8.1	181		50	0.544		0.544	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668000	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11667992	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	79-01-6	Trichloroethene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668014	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668010	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	95-47-6	Xylene[1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668018	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	95-49-8	Chlorotoluene[2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668029	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668020	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668026	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	8.1	54.4		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668015	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668022	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	98-06-6	Butylbenzene[tert-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668013	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	98-82-8	Isopropylbenzene	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668024	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	99-87-6	Isopropyltoluene[4-]	8.1	36.2		50	0.109		0.109	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668009	MD21-14-86047	2014-4540	N	HSA	INV	NA	REG	LANL	21-142	11.5-12	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	8.1	72.6		50	0.218		0.218	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668070	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	100-41-4	Ethylbenzene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668073	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	100-42-5	Styrene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668058	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668061	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668079	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	103-65-1	Propylbenzene[1-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668087	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	104-51-8	Butylbenzene[n-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668083	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	106-43-4	Chlorotoluene[4-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668090	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668067	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	106-93-4	Dibromoethane[1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668052	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	107-06-2	Dichloroethane[1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668059	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668081	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668078	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	108-86-1	Bromobenzene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668060	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	108-88-3	Toluene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668068	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	108-90-7	Chlorobenzene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668066	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	124-48-1	Chlorodibromomethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668065	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	127-18-4	Tetrachloroethene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668085	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	135-98-8	Butylbenzene[sec-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668063	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	142-28-9	Dichloropropane[1,3-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668045	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668042	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668089	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668051	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	56-23-5	Carbon Tetrachloride	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668050	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	563-58-6	Dichloropropene[1,1-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668064	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	591-78-6	Hexanone[2-]	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668046	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	594-20-7	Dichloropropane[2,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668069	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668037	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	67-64-1	Acetone	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668048	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	67-66-3	Chloroform	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668053	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	71-43-2	Benzene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668049	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668033	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	74-83-9	Bromomethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668031	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	74-87-3	Chloromethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668039	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	74-88-4	Iodomethane	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668056	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	74-95-3	Dibromomethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668047	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	74-97-5	Bromochloromethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668034	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-00-3	Chloroethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668032	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-01-4	Vinyl Chloride	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668041	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-09-2	Methylene Chloride	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668040	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-15-0	Carbon Disulfide	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668074	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-25-2	Bromoform	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668057	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-27-4	Bromodichloromethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668043	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-34-3	Dichloroethane[1,1-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668036	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-35-4	Dichloroethene[1,1-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668035	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-69-4	Trichlorofluoromethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668030	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	75-71-8	Dichlorodifluoromethane	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668038	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668055	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	78-87-5	Dichloropropane[1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668044	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	78-93-3	Butanone[2-]	4.73	175		50	0.525		0.525	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668062	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668054	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	79-01-6	Trichloroethene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668076	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668072	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	95-47-6	Xylene[1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668080	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	95-49-8	Chlorotoluene[2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668091	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668082	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668088	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.73	52.5		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668077	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668084	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	98-06-6	Butylbenzene[tert-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668075	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	98-82-8	Isopropylbenzene	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668086	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	99-87-6	Isopropyltoluene[4-]	4.73	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668071	MD21-14-86048	2014-4540	N	HSA	INV	NA	REG	LANL	21-143	13.5-14	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	4.73	70		50	0.21		0.21	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11665636	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	100-41-4	Ethylbenzene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665639	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	100-42-5	Styrene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665624	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665627	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665645	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	103-65-1	Propylbenzene[1-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665653	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	104-51-8	Butylbenzene[n-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665649	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	106-43-4	Chlorotoluene[4-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665656	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665633	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	106-93-4	Dibromoethane[1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665618	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	107-06-2	Dichloroethane[1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665625	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665647	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665644	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	108-86-1	Bromobenzene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665626	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	108-88-3	Toluene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665634	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	108-90-7	Chlorobenzene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665632	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	124-48-1	Chlorodibromomethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665631	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	127-18-4	Tetrachloroethene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665651	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	135-98-8	Butylbenzene[sec-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665629	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	142-28-9	Dichloropropane[1,3-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665611	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665608	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665655	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665617	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	56-23-5	Carbon Tetrachloride	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665616	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	563-58-6	Dichloropropene[1,1-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665630	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	591-78-6	Hexanone[2-]	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665612	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	594-20-7	Dichloropropane[2,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665635	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665603	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	67-64-1	Acetone	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665614	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	67-66-3	Chloroform	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665619	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	71-43-2	Benzene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665615	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665599	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	74-83-9	Bromomethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665597	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	74-87-3	Chloromethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665605	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	74-88-4	Iodomethane	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665622	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	74-95-3	Dibromomethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665613	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	74-97-5	Bromochloromethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665600	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-00-3	Chloroethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665598	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-01-4	Vinyl Chloride	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665607	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-09-2	Methylene Chloride	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665606	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-15-0	Carbon Disulfide	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665640	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-25-2	Bromoform	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665623	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-27-4	Bromodichloromethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665609	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-34-3	Dichloroethane[1,1-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665602	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-35-4	Dichloroethene[1,1-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665601	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-69-4	Trichlorofluoromethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665596	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	75-71-8	Dichlorodifluoromethane	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665604	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665621	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	78-87-5	Dichloropropane[1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665610	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	78-93-3	Butanone[2-]	5	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665628	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665620	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	79-01-6	Trichloroethene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665642	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665638	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	95-47-6	Xylene[1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665646	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	95-49-8	Chlorotoluene[2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665657	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665648	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665654	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5	52.6		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665643	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665650	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	98-06-6	Butylbenzene[tert-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665641	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	98-82-8	Isopropylbenzene	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665652	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	99-87-6	Isopropyltoluene[4-]	5	35.1		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665637	MD21-14-86049	2014-4549	N	HSA	INV	NA	REG	LANL	21-144	16-16.5	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5	70.2		50	0.211		0.211	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665698	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	100-41-4	Ethylbenzene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665701	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	100-42-5	Styrene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665686	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665689	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665707	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	103-65-1	Propylbenzene[1-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665715	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	104-51-8	Butylbenzene[n-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665711	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	106-43-4	Chlorotoluene[4-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665718	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665695	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	106-93-4	Dibromoethane[1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665680	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	107-06-2	Dichloroethane[1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665687	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665709	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665706	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	108-86-1	Bromobenzene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665688	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	108-88-3	Toluene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665696	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	108-90-7	Chlorobenzene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665694	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	124-48-1	Chlorodibromomethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665693	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	127-18-4	Tetrachloroethene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665713	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	135-98-8	Butylbenzene[sec-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665691	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	142-28-9	Dichloropropane[1,3-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665673	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665670	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665717	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665679	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	56-23-5	Carbon Tetrachloride	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665678	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	563-58-6	Dichloropropene[1,1-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665692	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	591-78-6	Hexanone[2-]	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665674	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	594-20-7	Dichloropropane[2,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665697	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665665	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	67-64-1	Acetone	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665676	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	67-66-3	Chloroform	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665681	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	71-43-2	Benzene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665677	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665661	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	74-83-9	Bromomethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665659	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	74-87-3	Chloromethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665667	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	74-88-4	Iodomethane	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665684	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	74-95-3	Dibromomethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665675	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	74-97-5	Bromochloromethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665662	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-00-3	Chloroethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665660	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-01-4	Vinyl Chloride	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665669	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-09-2	Methylene Chloride	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665668	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-15-0	Carbon Disulfide	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665702	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-25-2	Bromoform	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665685	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-27-4	Bromodichloromethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665671	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-34-3	Dichloroethane[1,1-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665664	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-35-4	Dichloroethene[1,1-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665663	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-69-4	Trichlorofluoromethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665658	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	75-71-8	Dichlorodifluoromethane	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665666	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665683	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	78-87-5	Dichloropropane[1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665672	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	78-93-3	Butanone[2-]	16.4	199		50	0.598		0.598	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665690	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665682	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	79-01-6	Trichloroethene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665704	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665700	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	95-47-6	Xylene[1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665708	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	95-49-8	Chlorotoluene[2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665719	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665710	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665716	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	16.4	59.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665705	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11665712	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	98-06-6	Butylbenzene[tert-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665703	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	98-82-8	Isopropylbenzene	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665714	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	99-87-6	Isopropyltoluene[4-]	16.4	39.8		50	0.12		0.12	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665699	MD21-14-86050	2014-4549	N	HSA	INV	NA	REG	LANL	21-145	12.5-13	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	16.4	79.8		50	0.239		0.239	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665760	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	100-41-4	Ethylbenzene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665763	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	100-42-5	Styrene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665748	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665751	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665769	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	103-65-1	Propylbenzene[1-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665777	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	104-51-8	Butylbenzene[n-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665773	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	106-43-4	Chlorotoluene[4-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665780	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665757	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	106-93-4	Dibromoethane[1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665742	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	107-06-2	Dichloroethane[1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665749	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665771	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665768	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	108-86-1	Bromobenzene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665750	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	108-88-3	Toluene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665758	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	108-90-7	Chlorobenzene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665756	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	124-48-1	Chlorodibromomethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665755	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	127-18-4	Tetrachloroethene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665775	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	135-98-8	Butylbenzene[sec-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665753	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	142-28-9	Dichloropropane[1,3-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665735	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665732	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665779	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665741	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	56-23-5	Carbon Tetrachloride	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665740	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	563-58-6	Dichloropropene[1,1-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665754	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	591-78-6	Hexanone[2-]	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665736	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	594-20-7	Dichloropropane[2,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665759	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665727	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	67-64-1	Acetone	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665738	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	67-66-3	Chloroform	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665743	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	71-43-2	Benzene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665739	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665723	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	74-83-9	Bromomethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665721	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	74-87-3	Chloromethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665729	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	74-88-4	Iodomethane	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665746	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	74-95-3	Dibromomethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665737	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	74-97-5	Bromochloromethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665724	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-00-3	Chloroethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665722	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-01-4	Vinyl Chloride	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665731	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-09-2	Methylene Chloride	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665730	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-15-0	Carbon Disulfide	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665764	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-25-2	Bromoform	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665747	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-27-4	Bromodichloromethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665733	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-34-3	Dichloroethane[1,1-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665726	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-35-4	Dichloroethene[1,1-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665725	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-69-4	Trichlorofluoromethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665720	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	75-71-8	Dichlorodifluoromethane	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665728	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665745	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	78-87-5	Dichloropropane[1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665734	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	78-93-3	Butanone[2-]	7.79	181		50	0.542		0.542	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665752	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665744	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	79-01-6	Trichloroethene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665766	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665762	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	95-47-6	Xylene[1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665770	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	95-49-8	Chlorotoluene[2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665781	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665772	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665778	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	7.79	54.2		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665767	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665774	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	98-06-6	Butylbenzene[tert-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665765	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	98-82-8	Isopropylbenzene	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665776	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	99-87-6	Isopropyltoluene[4-]	7.79	36.1		50	0.108		0.108	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665761	MD21-14-86051	2014-4549	N	HSA	INV	NA	REG	LANL	21-146	8.5-9	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	7.79	72.3		50	0.217		0.217	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665822	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	100-41-4	Ethylbenzene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665825	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	100-42-5	Styrene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665810	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665813	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665831	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	103-65-1	Propylbenzene[1-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665839	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	104-51-8	Butylbenzene[n-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665835	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	106-43-4	Chlorotoluene[4-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665842	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665819	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	106-93-4	Dibromoethane[1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665804	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	107-06-2	Dichloroethane[1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665811	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665833	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665830	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	108-86-1	Bromobenzene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665812	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	108-88-3	Toluene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665820	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	108-90-7	Chlorobenzene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665818	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	124-48-1	Chlorodibromomethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665817	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	127-18-4	Tetrachloroethene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665837	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	135-98-8	Butylbenzene[sec-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665815	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	142-28-9	Dichloropropane[1,3-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665797	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665794	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665841	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665803	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	56-23-5	Carbon Tetrachloride	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665802	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	563-58-6	Dichloropropene[1,1-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665816	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	591-78-6	Hexanone[2-]	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665798	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	594-20-7	Dichloropropane[2,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665821	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665789	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	67-64-1	Acetone	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665800	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	67-66-3	Chloroform	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665805	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	71-43-2	Benzene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665801	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665785	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	74-83-9	Bromomethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665783	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	74-87-3	Chloromethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665791	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	74-88-4	Iodomethane	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665808	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	74-95-3	Dibromomethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665799	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	74-97-5	Bromochloromethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665786	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-00-3	Chloroethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665784	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-01-4	Vinyl Chloride	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665793	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-09-2	Methylene Chloride	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665792	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-15-0	Carbon Disulfide	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665826	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-25-2	Bromoform	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665809	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-27-4	Bromodichloromethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665795	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-34-3	Dichloroethane[1,1-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665788	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-35-4	Dichloroethene[1,1-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665787	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-69-4	Trichlorofluoromethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665782	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	75-71-8	Dichlorodifluoromethane	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665790	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665807	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	78-87-5	Dichloropropane[1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665796	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	78-93-3	Butanone[2-]	10.1	185		50	0.556		0.556	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665814	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665806	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	79-01-6	Trichloroethene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665828	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665824	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	95-47-6	Xylene[1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665832	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	95-49-8	Chlorotoluene[2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665843	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665834	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665840	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	10.1	55.6		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665829	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665836	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	98-06-6	Butylbenzene[tert-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665827	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	98-82-8	Isopropylbenzene	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665838	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	99-87-6	Isopropyltoluene[4-]	10.1	37		50	0.111		0.111	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665823	MD21-14-86052	2014-4549	N	HSA	INV	NA	REG	LANL	21-147	11.5-12	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	10.1	74.2		50	0.223		0.223	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665884	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	100-41-4	Ethylbenzene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665887	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	100-42-5	Styrene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665872	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665875	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665893	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	103-65-1	Propylbenzene[1-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665901	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	104-51-8	Butylbenzene[n-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665897	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	106-43-4	Chlorotoluene[4-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665904	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665881	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	106-93-4	Dibromoethane[1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665866	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	107-06-2	Dichloroethane[1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665873	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14

MDA B Event 6833 VOC Sampling AppendixE Allanalyses

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11665895	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665892	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	108-86-1	Bromobenzene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665874	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	108-88-3	Toluene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665882	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	108-90-7	Chlorobenzene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665880	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	124-48-1	Chlorodibromomethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665879	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	127-18-4	Tetrachloroethene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665899	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	135-98-8	Butylbenzene[sec-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665877	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	142-28-9	Dichloropropane[1,3-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665859	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665856	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665903	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665865	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	56-23-5	Carbon Tetrachloride	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665864	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	563-58-6	Dichloropropene[1,1-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665878	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	591-78-6	Hexanone[2-]	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665860	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	594-20-7	Dichloropropane[2,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665883	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665851	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	67-64-1	Acetone	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665862	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	67-66-3	Chloroform	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665867	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	71-43-2	Benzene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665863	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665847	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	74-83-9	Bromomethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665845	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	74-87-3	Chloromethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665853	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	74-88-4	Iodomethane	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665870	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	74-95-3	Dibromomethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665861	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	74-97-5	Bromochloromethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665848	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-00-3	Chloroethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665846	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-01-4	Vinyl Chloride	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665855	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-09-2	Methylene Chloride	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665854	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-15-0	Carbon Disulfide	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665888	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-25-2	Bromoform	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665871	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-27-4	Bromodichloromethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665857	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-34-3	Dichloroethane[1,1-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665850	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-35-4	Dichloroethene[1,1-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665849	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-69-4	Trichlorofluoromethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665844	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	75-71-8	Dichlorodifluoromethane	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665852	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665869	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	78-87-5	Dichloropropane[1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665858	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	78-93-3	Butanone[2-]	4.87	175		50	0.526		0.526	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665876	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665868	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	79-01-6	Trichloroethene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665890	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665886	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	95-47-6	Xylene[1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665894	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	95-49-8	Chlorotoluene[2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665905	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665896	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665902	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.87	52.6		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665891	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665898	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	98-06-6	Butylbenzene[tert-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665889	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	98-82-8	Isopropylbenzene	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665900	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	99-87-6	Isopropyltoluene[4-]	4.87	35		50	0.105		0.105	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665885	MD21-14-86053	2014-4549	N	HSA	INV	NA	REG	LANL	21-148	14.5-15	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	4.87	70.1		50	0.21		0.21	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665946	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	100-41-4	Ethylbenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665949	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	100-42-5	Styrene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665934	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665937	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665955	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	103-65-1	Propylbenzene[1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665963	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	104-51-8	Butylbenzene[n-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665959	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	106-43-4	Chlorotoluene[4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665966	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665943	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665928	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665935	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665957	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665954	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	108-86-1	Bromobenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665936	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	108-88-3	Toluene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665944	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	108-90-7	Chlorobenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665942	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	124-48-1	Chlorodibromomethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665941	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	127-18-4	Tetrachloroethene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665961	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	135-98-8	Butylbenzene[sec-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665939	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665921	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665918	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665965	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665927	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	56-23-5	Carbon Tetrachloride	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665926	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665940	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	591-78-6	Hexanone[2-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665922	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665945	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665913	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	67-64-1	Acetone	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665924	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	67-66-3	Chloroform	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665929	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	71-43-2	Benzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665925	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665909	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	74-83-9	Bromomethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665907	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	74-87-3	Chloromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665915	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	74-88-4	Iodomethane	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665932	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	74-95-3	Dibromomethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665923	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	74-97-5	Bromochloromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665910	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-00-3	Chloroethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665908	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-01-4	Vinyl Chloride	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665917	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-09-2	Methylene Chloride	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665916	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-15-0	Carbon Disulfide	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665950	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-25-2	Bromoform	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665933	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-27-4	Bromodichloromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665919	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665912	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665911	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-69-4	Trichlorofluoromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665906	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	75-71-8	Dichlorodifluoromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665914	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665931	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665920	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	78-93-3	Butanone[2-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665938	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665930	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	79-01-6	Trichloroethene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665952	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665948	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	95-47-6	Xylene[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665956	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	95-49-8	Chlorotoluene[2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665967	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665958	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665964	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.73	53		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665953	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665960	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	98-06-6	Butylbenzene[tert-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665951	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	98-82-8	Isopropylbenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665962	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665947	MD21-14-86054	2014-4549	N	HSA	INV	NA	REG	LANL	21-149	9.5-10	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.73	70.8		50	0.212		0.212	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14

MDA B Event 6833 VOC Sampling AppendixE QC

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668752	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	100-41-4	Ethylbenzene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668755	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	100-42-5	Styrene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668740	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668743	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668761	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	103-65-1	Propylbenzene[1-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668769	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	104-51-8	Butylbenzene[n-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668765	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	106-43-4	Chlorotoluene[4-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668772	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668749	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	106-93-4	Dibromoethane[1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668734	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	107-06-2	Dichloroethane[1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668741	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668763	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668760	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	108-86-1	Bromobenzene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668742	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	108-88-3	Toluene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668750	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	108-90-7	Chlorobenzene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668748	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	124-48-1	Chlorodibromomethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668747	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	127-18-4	Tetrachloroethene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668767	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	135-98-8	Butylbenzene[sec-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668745	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	142-28-9	Dichloropropane[1,3-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668727	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668724	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668771	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668733	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	56-23-5	Carbon Tetrachloride	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668732	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	563-58-6	Dichloropropene[1,1-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668746	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	591-78-6	Hexanone[2-]	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668728	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	594-20-7	Dichloropropane[2,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668751	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668719	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	67-64-1	Acetone	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668730	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	67-66-3	Chloroform	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668735	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	71-43-2	Benzene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668731	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668715	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	74-83-9	Bromomethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668713	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	74-87-3	Chloromethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668721	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	74-88-4	Iodomethane	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668738	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	74-95-3	Dibromomethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668729	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	74-97-5	Bromochloromethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668716	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-00-3	Chloroethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668714	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-01-4	Vinyl Chloride	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668723	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-09-2	Methylene Chloride	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668722	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-15-0	Carbon Disulfide	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668756	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-25-2	Bromoform	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668739	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-27-4	Bromodichloromethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668725	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-34-3	Dichloroethane[1,1-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668718	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-35-4	Dichloroethene[1,1-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668717	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-69-4	Trichlorofluoromethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668712	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	75-71-8	Dichlorodifluoromethane	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668720	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668737	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	78-87-5	Dichloropropane[1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668726	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	78-93-3	Butanone[2-]	4.23	1.74		1	0.00522		0.00522	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668744	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668736	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	79-01-6	Trichloroethene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668758	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668754	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	95-47-6	Xylene[1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668762	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	95-49-8	Chlorotoluene[2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668773	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668764	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668770	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.23	0.522		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668759	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668766	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	98-06-6	Butylbenzene[tert-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668757	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	98-82-8	Isopropylbenzene	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668768	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	99-87-6	Isopropyltoluene[4-]	4.23	0.348		1	0.00104		0.00104	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11668753	MD21-14-86055	2014-4510	N	HSA	QC	NA	FD	LANL	21-130	17.5-18	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	4.23	0.696		1	0.00209		0.00209	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	09-Sep-14
11666008	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	100-41-4	Ethylbenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666011	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	100-42-5	Styrene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665996	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	10061-01-5	Dichloropropene[cis-1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665999	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	10061-02-6	Dichloropropene[trans-1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666017	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	103-65-1	Propylbenzene[1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666025	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	104-51-8	Butylbenzene[n-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666021	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	106-43-4	Chlorotoluene[4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666028	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	106-46-7	Dichlorobenzene[1,4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666005	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	106-93-4	Dibromoethane[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665990	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	107-06-2	Dichloroethane[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665997	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	108-10-1	Methyl-2-pentanone[4-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666019	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	108-67-8	Trimethylbenzene[1,3,5-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666016	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	108-86-1	Bromobenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665998	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	108-88-3	Toluene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666006	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	108-90-7	Chlorobenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666004	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	124-48-1	Chlorodibromomethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666003	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	127-18-4	Tetrachloroethene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666023	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	135-98-8	Butylbenzene[sec-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666001	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	142-28-9	Dichloropropane[1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665983	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	156-59-2	Dichloroethene[cis-1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665980	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	156-60-5	Dichloroethene[trans-1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666027	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	541-73-1	Dichlorobenzene[1,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665989	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	56-23-5	Carbon Tetrachloride	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665988	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	563-58-6	Dichloropropene[1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666002	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	591-78-6	Hexanone[2-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665984	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	594-20-7	Dichloropropane[2,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666007	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	630-20-6	Tetrachloroethane[1,1,1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665975	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	67-64-1	Acetone	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665986	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	67-66-3	Chloroform	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665991	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	71-43-2	Benzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665987	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	71-55-6	Trichloroethane[1,1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665971	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	74-83-9	Bromomethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665969	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	74-87-3	Chloromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665977	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	74-88-4	Iodomethane	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665994	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	74-95-3	Dibromomethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665985	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	74-97-5	Bromochloromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665972	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-00-3	Chloroethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665970	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-01-4	Vinyl Chloride	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665979	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-09-2	Methylene Chloride	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665978	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-15-0	Carbon Disulfide	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666012	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-25-2	Bromoform	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665995	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-27-4	Bromodichloromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665981	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-34-3	Dichloroethane[1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665974	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-35-4	Dichloroethene[1,1-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665973	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-69-4	Trichlorofluoromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665968	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	75-71-8	Dichlorodifluoromethane	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665976	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665993	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	78-87-5	Dichloropropane[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665982	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	78-93-3	Butanone[2-]	5.73	177		50	0.53		0.53	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666000	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	79-00-5	Trichloroethane[1,1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11665992	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	79-01-6	Trichloroethene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666014	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	79-34-5	Tetrachloroethane[1,1,2,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666010	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	95-47-6	Xylene[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666018	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	95-49-8	Chlorotoluene[2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666029	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	95-50-1	Dichlorobenzene[1,2-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666020	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	95-63-6	Trimethylbenzene[1,2,4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666026	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.73	53		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666015	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	96-18-4	Trichloropropane[1,2,3-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666022	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	98-06-6	Butylbenzene[tert-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666013	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	98-82-8	Isopropylbenzene	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666024	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	99-87-6	Isopropyltoluene[4-]	5.73	35.3		50	0.106		0.106	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666009	MD21-14-86056	2014-4549	N	HSA	QC	NA	FD	LANL	21-149	9.5-10	R	QBT3	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	5.73	70.8		50	0.212		0.212	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11668504	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		100-41-4	Ethylbenzene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668507	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		100-42-5	Styrene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668492	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		10061-01-5	Dichloropropene[cis-1,3-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668495	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		10061-02-6	Dichloropropene[trans-1,3-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668513	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		103-65-1	Propylbenzene[1-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668521	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		104-51-8	Butylbenzene[n-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668517	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-43-4	Chlorotoluene[4-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668524	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-46-7	Dichlorobenzene[1,4-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668501	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-93-4	Dibromoethane[1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668486	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		107-06-2	Dichloroethane[1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11668493	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-10-1	Methyl-2-pentanone[4-]	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668515	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-67-8	Trimethylbenzene[1,3,5-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668512	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-86-1	Bromobenzene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668494	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-88-3	Toluene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668502	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-90-7	Chlorobenzene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668500	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		124-48-1	Chlorodibromomethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668499	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		127-18-4	Tetrachloroethene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668519	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		135-98-8	Butylbenzene[sec-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668497	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		142-28-9	Dichloropropane[1,3-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668479	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		156-59-2	Dichloroethene[cis-1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668476	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		156-60-5	Dichloroethene[trans-1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668523	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		541-73-1	Dichlorobenzene[1,3-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668485	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		56-23-5	Carbon Tetrachloride	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668484	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		563-58-6	Dichloropropene[1,1-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668498	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		591-78-6	Hexanone[2-]	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668480	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		594-20-7	Dichloropropane[2,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668503	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		630-20-6	Tetrachloroethane[1,1,1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668471	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		67-64-1	Acetone	0.0112	1.67		1	0.00182		0.005	mg/kg	J	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668482	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		67-66-3	Chloroform	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668487	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		71-43-2	Benzene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668483	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		71-55-6	Trichloroethane[1,1,1-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668467	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-83-9	Bromomethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668465	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-87-3	Chloromethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668473	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-88-4	Iodomethane	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668490	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-95-3	Dibromomethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668481	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-97-5	Bromochloromethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668468	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-00-3	Chloroethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668466	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-01-4	Vinyl Chloride	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668475	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-09-2	Methylene Chloride	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668474	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-15-0	Carbon Disulfide	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668508	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-25-2	Bromoform	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668491	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-27-4	Bromodichloromethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668477	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-34-3	Dichloroethane[1,1-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668470	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-35-4	Dichloroethene[1,1-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668469	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-69-4	Trichlorofluoromethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668464	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-71-8	Dichlorodifluoromethane	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668472	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668489	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		78-87-5	Dichloropropane[1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668478	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		78-93-3	Butanone[2-]	0.0112	1.67		1	0.005		0.005	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668496	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-00-5	Trichloroethane[1,1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668488	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-01-6	Trichloroethene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668510	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-34-5	Tetrachloroethane[1,1,2,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668506	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-47-6	Xylene[1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668514	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-49-8	Chlorotoluene[2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668525	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-50-1	Dichlorobenzene[1,2-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668516	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-63-6	Trimethylbenzene[1,2,4-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668522	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		96-12-8	Dibromo-3-Chloropropane[1,2-]	0.0112	0.5		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668511	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		96-18-4	Trichloropropane[1,2,3-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668518	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		98-06-6	Butylbenzene[tert-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668509	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		98-82-8	Isopropylbenzene	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668520	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		99-87-6	Isopropyltoluene[4-]	0.0112	0.333		1	0.001		0.001	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668505	MD21-14-86058	2014-4527	N	DC	QC	NA	FTB	LANL	UNK	-	S		Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.0112	0.667		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	16-Sep-14	10-Sep-14
11668132	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		100-41-4	Ethylbenzene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668135	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		100-42-5	Styrene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668120	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		10061-01-5	Dichloropropene[cis-1,3-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668123	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		10061-02-6	Dichloropropene[trans-1,3-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668141	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		103-65-1	Propylbenzene[1-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668149	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		104-51-8	Butylbenzene[n-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668145	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-43-4	Chlorotoluene[4-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668152	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-46-7	Dichlorobenzene[1,4-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668129	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-93-4	Dibromoethane[1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668114	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		107-06-2	Dichloroethane[1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668121	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-10-1	Methyl-2-pentanone[4-]	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668143	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-67-8	Trimethylbenzene[1,3,5-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668140	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-86-1	Bromobenzene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668122	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-88-3	Toluene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668130	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-90-7	Chlorobenzene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668128	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		124-48-1	Chlorodibromomethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668127	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		127-18-4	Tetrachloroethene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668147	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		135-98-8	Butylbenzene[sec-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668125	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		142-28-9	Dichloropropane[1,3-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668107	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		156-59-2	Dichloroethene[cis-1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668104	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		156-60-5	Dichloroethene[trans-1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668151	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		541-73-1	Dichlorobenzene[1,3-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668113	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		56-23-5	Carbon Tetrachloride	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668112	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		563-58-6	Dichloropropene[1,1-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668126	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		591-78-6	Hexanone[2-]	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668108	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		594-20-7	Dichloropropane[2,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668131	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		630-20-6	Tetrachloroethane[1,1,1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668099	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		67-64-1	Acetone	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668110	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		67-66-3	Chloroform	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668115	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		71-43-2	Benzene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668111	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		71-55-6	Trichloroethane[1,1,1-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668095	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-83-9	Bromomethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668093	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-87-3	Chloromethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668101	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-88-4	Iodomethane	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668118	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-95-3	Dibromomethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668109	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-97-5	Bromochloromethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668096	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-00-3	Chloroethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668094	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-01-4	Vinyl Chloride	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668103	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-09-2	Methylene Chloride	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668102	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-15-0	Carbon Disulfide	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668136	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-25-2	Bromoform	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668119	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-27-4	Bromodichloromethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668105	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-34-3	Dichloroethane[1,1-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668098	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-35-4	Dichloroethene[1,1-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668097	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-69-4	Trichlorofluoromethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668092	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-71-8	Dichlorodifluoromethane	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668100	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668117	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		78-87-5	Dichloropropane[1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668106	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		78-93-3	Butanone[2-]	0.00868	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668124	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-00-5	Trichloroethane[1,1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668116	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-01-6	Trichloroethene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668138	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-34-5	Tetrachloroethane[1,1,2,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668134	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-47-6	Xylene[1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668142	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-49-8	Chlorotoluene[2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668153	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-50-1	Dichlorobenzene[1,2-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668144	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-63-6	Trimethylbenzene[1,2,4-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668150	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		96-12-8	Dibromo-3-Chloropropane[1,2-]	0.00868	1		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668139	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		96-18-4	Trichloropropane[1,2,3-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668146	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		98-06-6	Butylbenzene[tert-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668137	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		98-82-8	Isopropylbenzene	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668148	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		99-87-6	Isopropyltoluene[4-]	0.00868	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11668133	MD21-14-86057	2014-4540	N	DC	QC	NA	FTB	LANL	UNK	-	S		Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.00868	1.33		1	0.004		0.004	mg/kg	U	Y	VOC	SW-846:8260B	GELC	18-Sep-14	11-Sep-14
11666070	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		100-41-4	Ethylbenzene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666073	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		100-42-5	Styrene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666058	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		10061-01-5	Dichloropropene[cis-1,3-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666061	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		10061-02-6	Dichloropropene[trans-1,3-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666079	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		103-65-1	Propylbenzene[1-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666087	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		104-51-8	Butylbenzene[n-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666083	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-43-4	Chlorotoluene[4-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666090	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-46-7	Dichlorobenzene[1,4-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666067	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		106-93-4	Dibromoethane[1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666052	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		107-06-2	Dichloroethane[1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666059	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-10-1	Methyl-2-pentanone[4-]	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666081	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-67-8	Trimethylbenzene[1,3,5-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666078	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-86-1	Bromobenzene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666060	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-88-3	Toluene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666068	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		108-90-7	Chlorobenzene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666066	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		124-48-1	Chlorodibromomethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666065	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		127-18-4	Tetrachloroethene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666085	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		135-98-8	Butylbenzene[sec-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666063	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		142-28-9	Dichloropropane[1,3-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666045	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		156-59-2	Dichloroethene[cis-1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14

MDA B Event 6833 VOC Sampling AppendixE QC

Field Sample Result Record No	Field Sample ID	Chain Of Custody No	Excavated Flag	Sampling Method	Sample Usage Code	Field Prep Code	Sample Purpose	Site ID	Location ID	Depth Range (ft)	Sample Type	Background Comparison Class Code	Parameter Code	Parameter Name	Percent Moisture	Method Detection Limit	Lab MDA	Dilution Factor	Report Result	Report Uncertainty	Report Detection Limit	Report Units	Validation Qualifier	Best Value Flag	Method Category	Analytical Method	Lab ID	Analysis Date	Date Sampled
11666042	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		156-60-5	Dichloroethene[trans-1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666089	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		541-73-1	Dichlorobenzene[1,3-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666051	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		56-23-5	Carbon Tetrachloride	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666050	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		563-58-6	Dichloropropene[1,1-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666064	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		591-78-6	Hexanone[2-]	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666046	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		594-20-7	Dichloropropane[2,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666069	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		630-20-6	Tetrachloroethane[1,1,1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666037	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		67-64-1	Acetone	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666048	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		67-66-3	Chloroform	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666053	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		71-43-2	Benzene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666049	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		71-55-6	Trichloroethane[1,1,1-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666033	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-83-9	Bromomethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666031	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-87-3	Chloromethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666039	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-88-4	Iodomethane	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666056	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-95-3	Dibromomethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666047	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		74-97-5	Bromochloromethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666034	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-00-3	Chloroethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666032	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-01-4	Vinyl Chloride	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666041	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-09-2	Methylene Chloride	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666040	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-15-0	Carbon Disulfide	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666074	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-25-2	Bromoform	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666057	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-27-4	Bromodichloromethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666043	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-34-3	Dichloroethane[1,1-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666036	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-35-4	Dichloroethene[1,1-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666035	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-69-4	Trichlorofluoromethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666030	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		75-71-8	Dichlorodifluoromethane	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666038	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666055	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		78-87-5	Dichloropropane[1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666044	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		78-93-3	Butanone[2-]	100	3.33		1	0.01		0.01	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666062	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-00-5	Trichloroethane[1,1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666054	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-01-6	Trichloroethene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666076	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		79-34-5	Tetrachloroethane[1,1,2,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666072	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-47-6	Xylene[1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666080	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-49-8	Chlorotoluene[2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666091	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-50-1	Dichlorobenzene[1,2-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666082	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		95-63-6	Trimethylbenzene[1,2,4-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666088	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		96-12-8	Dibromo-3-Chloropropane[1,2-]	100	1		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666077	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		96-18-4	Trichloropropane[1,2,3-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666084	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		98-06-6	Butylbenzene[tert-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666075	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		98-82-8	Isopropylbenzene	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666086	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		99-87-6	Isopropyltoluene[4-]	100	0.666		1	0.002		0.002	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14
11666071	MD21-14-87107	2014-4549	N	DC	QC	NA	FTB	LANL	UNK	-	S		Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	100	1.33		1	0.004		0.004	mg/kg	U	Y	VOC	SW-846:8260B	GELC	19-Sep-14	12-Sep-14