



Friday, January 02, 2015

Fibertec Project Number: 65944
Project Identification: 11013-000191 PSC /11013-000191 PSC
Submittal Date: 12/23/2014

Ms. Kellie Wing
Bureau Veritas North America, Inc.
22345 Roethel Drive
Novi, MI 48375

Dear Ms. Wing,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 14 days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

As discussed, Fibertec does not analyze for TOC in soils so the samples have been returned to you.

A mechanical failure of a refrigerator in our volatiles laboratory occurred on the afternoon of December 24 causing one or more of your samples to warm to room temperature for a period of up to 36 hours.

It is our opinion that preserved VOA samples can be held at room temperature in excess of 48 hours with no adverse impact on sample results. Your samples were preserved with either hydrochloric acid (waters) or extracted into methanol (soils).

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Daryl P. Strandbergh
Laboratory Director

DPS/dps

Enclosures

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (0.5-2)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	1	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	11:30
Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.					
Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.					

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 65944-001		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	2.3		%	0.1	1.0	12/24/14	MC141224	12/26/14	MC141224	BMG

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-001A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	J,L+	µg/kg	1000	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 2. Acrylonitrile	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
3. Benzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
4. Bromobenzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
5. Bromochloromethane	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
6. Bromodichloromethane	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
7. Bromoform	U		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
8. Bromomethane	U		µg/kg	200	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
9. t-Butanol	U		µg/kg	2500	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
10. 2-Butanone	U	J,L+	µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
11. n-Butylbenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
12. sec-Butylbenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
13. tert-Butylbenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
14. Carbon Disulfide	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
15. Carbon Tetrachloride	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
16. Chlorobenzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
17. Chloroethane	U		µg/kg	260	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
18. Chloroform	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
19. Chloromethane	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 20. Cyclohexane	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
21. Dibromochloromethane	U		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
23. Dibromomethane	U		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
25. 1,3-Dichlorobenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
26. 1,4-Dichlorobenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
30. 1,2-Dichloroethane	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (0.5-2)	Chain of Custody:	134011
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Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-001A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
34. 1,2-Dichloropropane	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
35. cis-1,3-Dichloropropene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
37. Diethyl Ether	U		µg/kg	200	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 38. Diisopropyl Ether	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 39. ETBE	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
40. Ethylbenzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
41. Ethylene Dibromide	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
43. 2-Hexanone	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
44. Isopropylbenzene	U	J,L+	µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
45. 4-Isopropyltoluene	U		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
46. Methylene Chloride	U		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 47. 2-Methylnaphthalene	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
48. 4-Methyl-2-pentanone	U		µg/kg	510	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
49. MTBE	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
50. Naphthalene	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
51. n-Propylbenzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
52. Styrene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 53. TAME	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
54. 1,1,1,2-Tetrachloroethane	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
56. Tetrachloroethene	160		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 57. Tetrahydrofuran	U		µg/kg	260	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
58. Toluene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
59. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
60. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
61. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
62. 1,1,2-Trichloroethane	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
63. Trichloroethene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
64. Trichlorofluoromethane	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
65. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 66. 1,2,3-Trimethylbenzene	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
67. 1,2,4-Trimethylbenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
68. 1,3,5-Trimethylbenzene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
69. Vinyl Chloride	U		µg/kg	50	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
70. m&p-Xylene	190		µg/kg	100	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
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Client Identification: Bureau Veritas North America, Inc.	Sample Description: BSB-36 (0.5-2)	Chain of Custody: 134011
Client Project Name: 11013-000191 PSC	Sample No: 1	Collect Date: 12/22/14
Client Project No: 11013-000191 PSC	Sample Matrix: Soil/Solid	Collect Time: 11:30

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-001A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
71. o-Xylene	U		µg/kg	51	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
72. Xylenes	190		µg/kg	150	1.0	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (8-10)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	2	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	11:25
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 65944-002		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Percent Moisture (Water Content)	39		%	0.1	1.0	12/24/14	MC141224	12/26/14	MC141224	BMG

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-002A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acetone	U	J,L+	µg/kg	1100	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 2. Acrylonitrile	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
3. Benzene	U		µg/kg	67	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
4. Bromobenzene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
5. Bromochloromethane	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
6. Bromodichloromethane	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
7. Bromoform	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
8. Bromomethane	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
9. t-Butanol	U		µg/kg	2500	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
10. 2-Butanone	U	J,L+	µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
11. n-Butylbenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
12. sec-Butylbenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
13. tert-Butylbenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
14. Carbon Disulfide	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
15. Carbon Tetrachloride	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
16. Chlorobenzene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
17. Chloroethane	U		µg/kg	560	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
18. Chloroform	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
19. Chloromethane	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 20. Cyclohexane	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
21. Dibromochloromethane	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
23. Dibromomethane	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
24. 1,2-Dichlorobenzene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
25. 1,3-Dichlorobenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
26. 1,4-Dichlorobenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
28. Dichlorodifluoromethane	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
29. 1,1-Dichloroethane	U		µg/kg	81	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
30. 1,2-Dichloroethane	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
31. 1,1-Dichloroethene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
32. cis-1,2-Dichloroethene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR

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Analytical Laboratory Report
Laboratory Project Number: 65944
Laboratory Sample Number: 65944-002

 Order: 65944
 Page: 6 of 25
 Date: 01/02/15

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						P. Date	P. Batch	A. Date	A. Batch	Init.
33. trans-1,2-Dichloroethene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
34. 1,2-Dichloropropane	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
35. cis-1,3-Dichloropropene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
36. trans-1,3-Dichloropropene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
37. Diethyl Ether	U		µg/kg	210	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 38. Diisopropyl Ether	2000		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 39. ETBE	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
40. Ethylbenzene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
41. Ethylene Dibromide	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 42. Hexachloroethane	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
43. 2-Hexanone	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
44. Isopropylbenzene	U J,L+		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
45. 4-Isopropyltoluene	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
46. Methylene Chloride	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 47. 2-Methylnaphthalene	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
48. 4-Methyl-2-pentanone	3500		µg/kg	1100	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
49. MTBE	8300		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
50. Naphthalene	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
51. n-Propylbenzene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
52. Styrene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 53. TAME	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
54. 1,1,1,2-Tetrachloroethane	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
55. 1,1,2,2-Tetrachloroethane	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
56. Tetrachloroethene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 57. Tetrahydrofuran	4500		µg/kg	560	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
58. Toluene	130		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
59. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
60. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
61. 1,1,1-Trichloroethane	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
62. 1,1,2-Trichloroethane	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
63. Trichloroethene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
64. Trichlorofluoromethane	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
65. 1,2,3-Trichloropropane	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
‡ 66. 1,2,3-Trimethylbenzene	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
67. 1,2,4-Trimethylbenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
68. 1,3,5-Trimethylbenzene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
69. Vinyl Chloride	U		µg/kg	56	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
70. m&p-Xylene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR

 1914 Holloway Drive
 11766 E. Grand River
 8660 S. Mackinaw Trail

 Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

 T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 65944
Laboratory Sample Number: 65944-002

Order: 65944
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Date: 01/02/15

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (8-10)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	2	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	11:25
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-002A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
71. o-Xylene	U		µg/kg	110	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR
72. Xylenes	U		µg/kg	230	1.4	12/26/14	VH14L26B	12/27/14	VH14L26B	DAR

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (12.5-13)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	3	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	11:20
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 65944-003		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	15		%	0.1	1.0	12/24/14	MC141224	12/26/14	MC141224	BMG

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-003A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 2. Acrylonitrile	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
3. Benzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
4. Bromobenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
5. Bromochloromethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
6. Bromodichloromethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
7. Bromoform	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
8. Bromomethane	U		µg/kg	200	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
9. t-Butanol	U		µg/kg	2500	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
10. 2-Butanone	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
11. n-Butylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
12. sec-Butylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
13. tert-Butylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
14. Carbon Disulfide	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
15. Carbon Tetrachloride	U		µg/kg	58	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
16. Chlorobenzene	U		µg/kg	58	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
17. Chloroethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
18. Chloroform	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
19. Chloromethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 20. Cyclohexane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
21. Dibromochloromethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
23. Dibromomethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
26. 1,4-Dichlorobenzene	U		µg/kg	58	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
30. 1,2-Dichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

 1914 Holloway Drive
 11766 E. Grand River
 8660 S. Mackinaw Trail

 Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

 T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (12.5-13)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	3	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	11:20
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-003A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
34. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
37. Diethyl Ether	U		µg/kg	200	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 38. Diisopropyl Ether	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 39. ETBE	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
40. Ethylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
41. Ethylene Dibromide	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
43. 2-Hexanone	U J,L+		µg/kg	580	1.0	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
44. Isopropylbenzene	U		µg/kg	50	1.0	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
45. 4-Isopropyltoluene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
46. Methylene Chloride	U		µg/kg	100	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 47. 2-Methylnaphthalene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
48. 4-Methyl-2-pentanone	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
49. MTBE	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
50. Naphthalene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
51. n-Propylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
52. Styrene	U		µg/kg	58	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 53. TAME	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
54. 1,1,1,2-Tetrachloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
55. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
56. Tetrachloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 57. Tetrahydrofuran	U		µg/kg	290	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
58. Toluene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
59. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
60. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
61. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
62. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
63. Trichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
64. Trichlorofluoromethane	U		µg/kg	50	1.0	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
65. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 66. 1,2,3-Trimethylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
67. 1,2,4-Trimethylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
68. 1,3,5-Trimethylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
69. Vinyl Chloride	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
70. m&p-Xylene	U		µg/kg	100	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36 (12.5-13)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	3	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	11:20
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-003A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
71.o-Xylene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
72.Xylenes	U		µg/kg	150	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
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T: (231) 775-8368

F: (517) 699-0388
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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38 (1.5-2)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	6	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	10:34
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 65944-006		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	19		%	0.1	1.0	12/24/14	MC141224	12/26/14	MC141224	BMG

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-006A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 2. Acrylonitrile	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
3. Benzene	88		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
4. Bromobenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
5. Bromochloromethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
6. Bromodichloromethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
7. Bromoform	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
8. Bromomethane	U		µg/kg	200	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
9. t-Butanol	U		µg/kg	2500	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
10. 2-Butanone	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
11. n-Butylbenzene	120		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
12. sec-Butylbenzene	U		µg/kg	54	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
13. tert-Butylbenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
14. Carbon Disulfide	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
15. Carbon Tetrachloride	U		µg/kg	62	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
16. Chlorobenzene	U		µg/kg	62	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
17. Chloroethane	360		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
18. Chloroform	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
19. Chloromethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 20. Cyclohexane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
21. Dibromochloromethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
23. Dibromomethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
24. 1,2-Dichlorobenzene	180		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
26. 1,4-Dichlorobenzene	U		µg/kg	62	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
29. 1,1-Dichloroethane	83		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
30. 1,2-Dichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38 (1.5-2)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	6	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	10:34
Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.					
Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-006A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
34. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
37. Diethyl Ether	U		µg/kg	200	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 38. Diisopropyl Ether	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 39. ETBE	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
40. Ethylbenzene	4000		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
41. Ethylene Dibromide	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
43. 2-Hexanone	U	J,L+	µg/kg	620	1.0	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
44. Isopropylbenzene	370		µg/kg	50	1.0	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
45. 4-Isopropyltoluene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
46. Methylene Chloride	U		µg/kg	100	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 47. 2-Methylnaphthalene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
48. 4-Methyl-2-pentanone	U		µg/kg	340	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
49. MTBE	1000		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
50. Naphthalene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
51. n-Propylbenzene	440		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
52. Styrene	280		µg/kg	62	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 53. TAME	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
54. 1,1,1,2-Tetrachloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
55. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
56. Tetrachloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 57. Tetrahydrofuran	1600		µg/kg	310	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
58. Toluene	1100		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
59. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
60. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
61. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
62. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
63. Trichloroethene	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
64. Trichlorofluoromethane	U		µg/kg	50	1.0	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
65. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 66. 1,2,3-Trimethylbenzene	430		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
67. 1,2,4-Trimethylbenzene	3000		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
68. 1,3,5-Trimethylbenzene	1000		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
69. Vinyl Chloride	U		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
70. m&p-Xylene	19000		µg/kg	100	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

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 11766 E. Grand River
 8660 S. Mackinaw Trail

 Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

 T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 65944
Laboratory Sample Number: 65944-006

Order: 65944
Page: 13 of 25
Date: 01/02/15

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38 (1.5-2)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	6	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	10:34
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-006A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
71. o-Xylene	5000		µg/kg	50	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
72. Xylenes	24000		µg/kg	150	1.0	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

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T: (810) 220-3300
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F: (517) 699-0388
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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38 (4.5-5)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	7	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	10:36
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 65944-007		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	75		%	0.1	1.0	12/24/14	MC141224	12/26/14	MC141224	BMG

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-007A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	5300	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 2. Acrylonitrile	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
3. Benzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
4. Bromobenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
5. Bromochloromethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
6. Bromodichloromethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
7. Bromoform	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
8. Bromomethane	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
9. t-Butanol	U		µg/kg	11000	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
10. 2-Butanone	U		µg/kg	1100	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
11. n-Butylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
12. sec-Butylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
13. tert-Butylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
14. Carbon Disulfide	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
15. Carbon Tetrachloride	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
16. Chlorobenzene	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
17. Chloroethane	U		µg/kg	1100	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
18. Chloroform	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
19. Chloromethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 20. Cyclohexane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
21. Dibromochloromethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
23. Dibromomethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
24. 1,2-Dichlorobenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
25. 1,3-Dichlorobenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
26. 1,4-Dichlorobenzene	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
28. Dichlorodifluoromethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
29. 1,1-Dichloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
30. 1,2-Dichloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
31. 1,1-Dichloroethene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
32. cis-1,2-Dichloroethene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

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T: (231) 775-8368

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38 (4.5-5)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	7	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	10:36
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-007A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
33. trans-1,2-Dichloroethene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
34. 1,2-Dichloropropane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
35. cis-1,3-Dichloropropene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
36. trans-1,3-Dichloropropene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
37. Diethyl Ether	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 38. Diisopropyl Ether	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 39. ETBE	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
40. Ethylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
41. Ethylene Dibromide	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 42. Hexachloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
43. 2-Hexanone	U J,L+		µg/kg	5300	2.7	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
44. Isopropylbenzene	U		µg/kg	270	2.7	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
45. 4-Isopropyltoluene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
46. Methylene Chloride	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 47. 2-Methylnaphthalene	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
48. 4-Methyl-2-pentanone	U		µg/kg	1100	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
49. MTBE	5200		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
50. Naphthalene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
51. n-Propylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
52. Styrene	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 53. TAME	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
54. 1,1,1,2-Tetrachloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
55. 1,1,2,2-Tetrachloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
56. Tetrachloroethene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 57. Tetrahydrofuran	U		µg/kg	2700	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
58. Toluene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
59. 1,2,3-Trichlorobenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
60. 1,2,4-Trichlorobenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
61. 1,1,1-Trichloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
62. 1,1,2-Trichloroethane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
63. Trichloroethene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
64. Trichlorofluoromethane	U		µg/kg	270	2.7	12/26/14	VI14L26A	12/26/14	VI14L26A	CCD
65. 1,2,3-Trichloropropane	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
‡ 66. 1,2,3-Trimethylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
67. 1,2,4-Trimethylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
68. 1,3,5-Trimethylbenzene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
69. Vinyl Chloride	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
70. m&p-Xylene	U		µg/kg	530	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

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 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 65944
Laboratory Sample Number: 65944-007

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Date: 01/02/15

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38 (4.5-5)	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	7	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Soil/Solid	Collect Time:	10:36
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035A/EPA 8260B)						Aliquot ID: 65944-007A		Matrix: Soil/Solid		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
71. o-Xylene	U		µg/kg	270	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR
72. Xylenes	U		µg/kg	800	2.7	12/24/14	VJ14L24B	12/25/14	VJ14L24B	DAR

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	8	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	11:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-008		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acetone	U		µg/L	20	1.0	12/29/14	VB14L29B	12/29/14	VB14L29B	CCD
‡ 2. Acrylonitrile	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
3. Benzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
4. Bromobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
5. Bromochloromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
7. Bromoform	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
8. Bromomethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
9. t-Butanol	1500		µg/L	50	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
10. 2-Butanone	U J,L+		µg/L	5.0	1.0	12/29/14	VB14L29B	12/29/14	VB14L29B	CCD
11. n-Butylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
12. sec-Butylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
13. tert-Butylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
14. Carbon Disulfide	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
16. Chlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
17. Chloroethane	14		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
18. Chloroform	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
19. Chloromethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 20. Cyclohexane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
21. Dibromochloromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
23. Dibromomethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
37. Diethyl Ether	6.9		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 38. Diisopropyl Ether	140		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD

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 T: (810) 220-3300
 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-36	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	8	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	11:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-008		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 39. ETBE	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
40. Ethylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
41. Ethylene Dibromide	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 42. Hexachloroethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
43. 2-Hexanone	U J,L+		µg/L	5.0	1.0	12/29/14	VB14L29B	12/29/14	VB14L29B	CCD
44. Isopropylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
45. 4-Isopropyltoluene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
46. Methylene Chloride	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 47. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
48. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
49. MTBE	7700		µg/L	50	100	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
50. Naphthalene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
51. n-Propylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
52. Styrene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 53. TAME	7.3		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
54. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
55. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
56. Tetrachloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 57. Tetrahydrofuran	24		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
58. Toluene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
59. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
60. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
61. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
62. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
63. Trichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
64. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
65. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 66. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
67. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
68. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
69. Vinyl Chloride	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
70. m&p-Xylene	U		µg/L	2.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
71. o-Xylene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
72. Xylenes	U		µg/L	3.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD

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Analytical Laboratory Report
Laboratory Project Number: 65944
Laboratory Sample Number: 65944-009

Order: 65944
Page: 19 of 25
Date: 01/02/15

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	9	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	10:20

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-009		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	J,*	µg/L	20	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 2. Acrylonitrile	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
3. Benzene	6.5		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
4. Bromobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
5. Bromochloromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
7. Bromoform	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
8. Bromomethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
9. t-Butanol	1400		µg/L	50	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
10. 2-Butanone	U	J,*	µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
11. n-Butylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
12. sec-Butylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
13. tert-Butylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
14. Carbon Disulfide	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
16. Chlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
17. Chloroethane	35		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
18. Chloroform	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
19. Chloromethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 20. Cyclohexane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
21. Dibromochloromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
23. Dibromomethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
37. Diethyl Ether	11		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 38. Diisopropyl Ether	160		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-38	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	9	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	10:20

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-009		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 39. ETBE	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
40. Ethylbenzene	10		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
41. Ethylene Dibromide	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 42. Hexachloroethane	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
43. 2-Hexanone	U	J,*	µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
44. Isopropylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
45. 4-Isopropyltoluene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
46. Methylene Chloride	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 47. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
48. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
49. MTBE	8200		µg/L	50	100	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
50. Naphthalene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
51. n-Propylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
52. Styrene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 53. TAME	8.6		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
54. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
55. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
56. Tetrachloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 57. Tetrahydrofuran	59		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
58. Toluene	5.2		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
59. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
60. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
61. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
62. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
63. Trichloroethene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
64. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
65. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
‡ 66. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
67. 1,2,4-Trimethylbenzene	3.3		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
68. 1,3,5-Trimethylbenzene	1.2		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
69. Vinyl Chloride	U		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
70. m&p-Xylene	45		µg/L	2.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
71. o-Xylene	12		µg/L	1.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD
72. Xylenes	57		µg/L	3.0	1.0	12/24/14	VH14L24A	12/24/14	VH14L24A	CCD

 1914 Holloway Drive
 11766 E. Grand River
 8660 S. Mackinaw Trail

 Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

 T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

Client Identification: Bureau Veritas North America, Inc.	Sample Description: Trip Blank -12-22-14	Chain of Custody: 134011
Client Project Name: 11013-000191 PSC	Sample No: 10	Collect Date: 12/22/14
Client Project No: 11013-000191 PSC	Sample Matrix: Ground Water	Collect Time: 08:00

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-010		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	J,L+	µg/L	20	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 2. Acrylonitrile	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
3. Benzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
4. Bromobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
5. Bromochloromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
7. Bromoform	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
8. Bromomethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
9. t-Butanol	U		µg/L	50	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
10. 2-Butanone	U	J,L+	µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
11. n-Butylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
12. sec-Butylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
13. tert-Butylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
14. Carbon Disulfide	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
16. Chlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
17. Chloroethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
18. Chloroform	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
19. Chloromethane	10		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 20. Cyclohexane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
21. Dibromochloromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
23. Dibromomethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
27. trans-1,4-Dichloro-2-butene (SIM)	U	J,L+	µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
37. Diethyl Ether	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 38. Diisopropyl Ether	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	Trip Blank -12-22-14	Chain of Custody:	134011
Client Project Name:	11013-000191 PSC	Sample No:	10	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	08:00

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-010		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 39. ETBE	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
40. Ethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
41. Ethylene Dibromide	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 42. Hexachloroethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
43. 2-Hexanone	U J,L+		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
44. Isopropylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
45. 4-Isopropyltoluene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
46. Methylene Chloride	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 47. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
48. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
49. MTBE	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
50. Naphthalene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
51. n-Propylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
52. Styrene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 53. TAME	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
54. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
55. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
56. Tetrachloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 57. Tetrahydrofuran	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
58. Toluene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
59. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
60. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
61. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
62. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
63. Trichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
64. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
65. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 66. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
67. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
68. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
69. Vinyl Chloride	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
70. m&p-Xylene	U		µg/L	2.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
71. o-Xylene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
72. Xylenes	U		µg/L	3.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD

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 Holt, MI 48842
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 T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

 F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	Rinsate Blank/Equipment Blank-12-22-14	Chain of Custody:	134012
Client Project Name:	11013-000191 PSC	Sample No:	11	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	12:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-011		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	250	J,E	µg/L	20	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 2. Acrylonitrile	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
3. Benzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
4. Bromobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
5. Bromochloromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
7. Bromoform	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
8. Bromomethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
9. t-Butanol	U		µg/L	50	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
10. 2-Butanone	U	J,L+	µg/L	10	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
11. n-Butylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
12. sec-Butylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
13. tert-Butylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
14. Carbon Disulfide	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
16. Chlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
17. Chloroethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
18. Chloroform	4.7		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
19. Chloromethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 20. Cyclohexane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
21. Dibromochloromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
23. Dibromomethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
27. trans-1,4-Dichloro-2-butene (SIM)	U	J,L+	µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
37. Diethyl Ether	14		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 38. Diisopropyl Ether	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD

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 11766 E. Grand River
 B660 S. Mackinaw Trail

 Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

 T: (517) 699-0345
 T: (810) 220-3300
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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	Rinsate Blank/Equipment Blank-12-22-14	Chain of Custody:	134012
Client Project Name:	11013-000191 PSC	Sample No:	11	Collect Date:	12/22/14
Client Project No:	11013-000191 PSC	Sample Matrix:	Ground Water	Collect Time:	12:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 65944-011		Matrix: Ground Water		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 39. ETBE	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
40. Ethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
41. Ethylene Dibromide	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 42. Hexachloroethane	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
43. 2-Hexanone	U J,L+		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
44. Isopropylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
45. 4-Isopropyltoluene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
46. Methylene Chloride	210 J,E		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 47. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
48. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
49. MTBE	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
50. Naphthalene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
51. n-Propylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
52. Styrene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 53. TAME	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
54. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
55. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
56. Tetrachloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 57. Tetrahydrofuran	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
58. Toluene	1.1		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
59. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
60. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
61. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
62. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
63. Trichloroethene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
64. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
65. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
‡ 66. 1,2,3-Trimethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
67. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
68. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
69. Vinyl Chloride	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
70. m&p-Xylene	U		µg/L	2.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
71. o-Xylene	U		µg/L	1.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD
72. Xylenes	U		µg/L	3.0	1.0	12/26/14	VB14L26A	12/26/14	VB14L26A	CCD

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Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Exception Summary:

- * : Duplicate analysis not within control limits.
E : This flag identifies compounds whose response exceed the response of the highest standard in the initial calibration range of the instrument for that specific analysis.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.



Accreditation Number(s):

E-10395 (KS)

T104704518-13-1 (TX)

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Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Aqueous

Batch ID: VB14L26A
Page: 1 of 2
Date: 01/02/15

Preparation Batch: VB14L26A Preparation Date: 12/26/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	RL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	20		167	100	167	50 - 136	*	166	1	20		MB-4	LCS-4	LCD-4
2. Acrylonitrile	U	5.0		108	100	108	66 - 135		108	0	20		MB-4	LCS-4	LCD-4
3. Benzene	U	1.0		104	100	104	70 - 130		105	1	20		MB-4	LCS-4	LCD-4
4. Bromobenzene	U	1.0		95.9	100	96	70 - 130		98	2	20		MB-4	LCS-4	LCD-4
5. Bromochloromethane	U	1.0		96.0	100	96	61 - 130		98	2	20		MB-4	LCS-4	LCD-4
6. Bromodichloromethane	U	1.0		104	100	104	70 - 130		105	1	20		MB-4	LCS-4	LCD-4
7. Bromoform	U	1.0		110	100	110	65 - 145		113	3	20		MB-4	LCS-4	LCD-4
8. Bromomethane	U	5.0		92.3	100	92	52 - 150		105	13	20		MB-4	LCS-4	LCD-4
9. t-Butanol	U	50		1,233	1,000	123	50 - 150		126	2	20		MB-4	LCS-4	LCD-4
10. 2-Butanone	U	5.0		168	100	168	59 - 130	*	166	1	20		MB-4	LCS-4	LCD-4
11. n-Butylbenzene	U	1.0		125	100	125	70 - 138		127	2	20		MB-4	LCS-4	LCD-4
12. sec-Butylbenzene	U	1.0		113	100	113	70 - 130		115	2	20		MB-4	LCS-4	LCD-4
13. tert-Butylbenzene	U	1.0		112	100	112	70 - 130		114	2	20		MB-4	LCS-4	LCD-4
14. Carbon Disulfide	U	1.0		103	100	103	70 - 130		105	2	20		MB-4	LCS-4	LCD-4
15. Carbon Tetrachloride	U	1.0		101	100	101	70 - 133		105	4	20		MB-4	LCS-4	LCD-4
16. Chlorobenzene	U	1.0		100	100	100	70 - 130		103	3	20		MB-4	LCS-4	LCD-4
17. Chloroethane	U	5.0		96.6	100	97	53 - 136		97	0	20		MB-4	LCS-4	LCD-4
18. Chloroform	U	1.0		101	100	101	78 - 121		104	3	20		MB-4	LCS-4	LCD-4
19. Chloromethane	U	5.0		102	100	102	50 - 148		104	2	20		MB-4	LCS-4	LCD-4
20. Cyclohexane	U	5.0		105	100	105	66 - 136		108	3	20		MB-4	LCS-4	LCD-4
21. Dibromochloromethane	U	1.0		108	100	108	70 - 130		108	0	20		MB-4	LCS-4	LCD-4
22. 1,2-Dibromo-3-chloropropane	U	5.0		113	100	113	70 - 137		115	2	20		MB-4	LCS-4	LCD-4
23. Dibromomethane	U	1.0		99.7	100	100	70 - 130		100	0	20		MB-4	LCS-4	LCD-4
24. 1,2-Dichlorobenzene	U	1.0		107	100	107	70 - 130		109	2	20		MB-4	LCS-4	LCD-4
25. 1,3-Dichlorobenzene	U	1.0		102	100	102	70 - 130		104	2	20		MB-4	LCS-4	LCD-4
26. 1,4-Dichlorobenzene	U	1.0		99.3	100	99	70 - 130		101	2	20		MB-4	LCS-4	LCD-4
27. trans-1,4-Dichloro-2-butene	U	5.0		148	100	148	70 - 133	*	150	1	20		MB-4	LCS-4	LCD-4
28. Dichlorodifluoromethane	U	5.0		115	100	115	70 - 139		118	3	20		MB-4	LCS-4	LCD-4
29. 1,1-Dichloroethane	U	1.0		100	100	100	70 - 130		100	0	20		MB-4	LCS-4	LCD-4
30. 1,2-Dichloroethane	U	1.0		97.8	100	98	70 - 130		99	1	20		MB-4	LCS-4	LCD-4
31. 1,1-Dichloroethene	U	1.0		100	100	100	72 - 126		102	2	20		MB-4	LCS-4	LCD-4
32. cis-1,2-Dichloroethene	U	1.0		99.1	100	99	70 - 130		101	2	20		MB-4	LCS-4	LCD-4
33. trans-1,2-Dichloroethene	U	1.0		101	100	101	70 - 130		100	1	20		MB-4	LCS-4	LCD-4
34. 1,2-Dichloropropane	U	1.0		108	100	108	79 - 125		110	2	20		MB-4	LCS-4	LCD-4
35. cis-1,3-Dichloropropene	U	1.0		126	100	126	70 - 131		128	2	20		MB-4	LCS-4	LCD-4
36. trans-1,3-Dichloropropene	U	1.0		126	100	126	70 - 130		128	2	20		MB-4	LCS-4	LCD-4
37. Diethyl Ether	U	5.0		94.2	100	94	70 - 130		94	0	20		MB-4	LCS-4	LCD-4
38. Diisopropyl Ether	U	5.0		103	100	103	64 - 135		104	1	20		MB-4	LCS-4	LCD-4
39. ETBE	U	5.0		94.6	100	95	70 - 130		96	1	20		MB-4	LCS-4	LCD-4
40. Ethylbenzene	U	1.0		106	100	106	80 - 122		110	4	20		MB-4	LCS-4	LCD-4
41. Ethylene Dibromide	U	1.0		107	100	107	70 - 130		108	1	20		MB-4	LCS-4	LCD-4
42. Hexachloroethane	U	5.0		110	100	110	70 - 134		111	1	20		MB-4	LCS-4	LCD-4
43. 2-Hexanone	U	5.0		180	100	180	62 - 130	*	183	2	20		MB-4	LCS-4	LCD-4
44. Isopropylbenzene	U	1.0		112	100	112	70 - 130		115	3	20		MB-4	LCS-4	LCD-4
45. 4-Isopropyltoluene	U	1.0		119	100	119	70 - 131		121	2	20		MB-4	LCS-4	LCD-4
46. Methylene Chloride	U	5.0		91.3	100	91	63 - 130		92	1	20		MB-4	LCS-4	LCD-4
47. 2-Methylnaphthalene	U	5.0		104	100	104	50 - 149		106	2	20		MB-4	LCS-4	LCD-4
48. 4-Methyl-2-pentanone	U	5.0		106	100	106	67 - 134		109	3	20		MB-4	LCS-4	LCD-4
49. MTBE	U	1.0		95.8	100	96	70 - 130		96	0	20		MB-4	LCS-4	LCD-4
50. Naphthalene	U	5.0		112	100	112	70 - 130		113	1	20		MB-4	LCS-4	LCD-4
51. n-Propylbenzene	U	1.0		110	100	110	70 - 130		112	2	20		MB-4	LCS-4	LCD-4

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8660 S. Mackinaw Trail

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Cadillac, MI 49601

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T: (810) 220-3300
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F: (517) 699-0388
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Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Aqueous

Batch ID: VB14L26A
Page: 2 of 2
Date: 01/02/15

Preparation Batch: VB14L26A

Preparation Date: 12/26/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	RL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
52. Styrene	U	1.0		111	100	111	70 - 135		115	4	20		MB-4	LCS-4	LCD-4
53. TAME	U	5.0		96.8	100	97	67 - 132		97	0	20		MB-4	LCS-4	LCD-4
54. 1,1,1,2-Tetrachloroethane	U	1.0		108	100	108	70 - 130		109	1	20		MB-4	LCS-4	LCD-4
55. 1,1,2,2-Tetrachloroethane	U	1.0		103	100	103	70 - 130		105	2	20		MB-4	LCS-4	LCD-4
56. Tetrachloroethene	U	1.0		109	100	109	70 - 130		109	0	20		MB-4	LCS-4	LCD-4
57. Tetrahydrofuran	U	5.0		100.0	100	100	50 - 130		100	0	20		MB-4	LCS-4	LCD-4
58. Toluene	U	1.0		103	100	103	80 - 120		105	2	20		MB-4	LCS-4	LCD-4
59. 1,2,3-Trichlorobenzene	U	5.0		110	100	110	70 - 130		109	1	20		MB-4	LCS-4	LCD-4
60. 1,2,4-Trichlorobenzene	U	5.0		117	100	117	70 - 130		118	1	20		MB-4	LCS-4	LCD-4
61. 1,1,1-Trichloroethane	U	1.0		99.8	100	100	70 - 130		101	1	20		MB-4	LCS-4	LCD-4
62. 1,1,2-Trichloroethane	U	1.0		108	100	108	70 - 130		108	0	20		MB-4	LCS-4	LCD-4
63. Trichloroethene	U	1.0		100	100	100	71 - 130		102	2	20		MB-4	LCS-4	LCD-4
64. Trichlorofluoromethane	U	1.0		102	100	102	69 - 131		106	4	20		MB-4	LCS-4	LCD-4
65. 1,2,3-Trichloropropane	U	1.0		102	100	102	70 - 130		104	2	20		MB-4	LCS-4	LCD-4
66. 1,2,3-Trimethylbenzene	U	1.0		106	100	106	70 - 130		107	1	20		MB-4	LCS-4	LCD-4
67. 1,2,4-Trimethylbenzene	U	1.0		113	100	113	70 - 130		114	1	20		MB-4	LCS-4	LCD-4
68. 1,3,5-Trimethylbenzene	U	1.0		111	100	111	70 - 130		114	3	20		MB-4	LCS-4	LCD-4
69. Vinyl Chloride	U	1.0		106	100	106	73 - 125		109	3	20		MB-4	LCS-4	LCD-4
70. m&p-Xylene	U	2.0		215	200	108	70 - 130		111	3	20		MB-4	LCS-4	LCD-4
71. o-Xylene	U	1.0		111	100	111	70 - 130		114	3	20		MB-4	LCS-4	LCD-4

System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	Spike µg/L	Rec. %	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Dibromofluoromethane(S)	49.6	50.0	99		48.0	50.0	96	80 - 120		97	1	20		MB-4	LCS-4	LCD-4
2. 1,2-Dichloroethane-d4(S)	50.4	50.0	101		47.3	50.0	95	80 - 120		94	1	20		MB-4	LCS-4	LCD-4
3. Toluene-d8(S)	49.8	50.0	100		50.1	50.0	100	80 - 122		100	0	20		MB-4	LCS-4	LCD-4
4. 4-Bromofluorobenzene(S)	49.8	50.0	100		50.2	50.0	100	80 - 120		101	1	20		MB-4	LCS-4	LCD-4

Definitions/Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-4 VB14L26A 12/26/14 12:02
LCS-4 VB14L26A 12/26/14 10:16
LCD-4 VB14L26A 12/26/14 10:42

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



Daryl Strandbergh
Laboratory Director
Friday, January 02, 2015
10:14:38 AM

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Aqueous

Batch ID: VB14L29B
Page: 1 of 1
Date: 01/02/15

Preparation Batch: VB14L29B

Preparation Date: 12/29/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code			
	Result	RL	Q	Result	Spike	Rec.	LCL	UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%	%		%	%	%				
1. Acetone	U	20		124	100	124	50 - 136			102	19	20		MB-6	LCS-6	LCD-6
2. 2-Butanone	U	5.0		131	100	131	59 - 130	*		114	14	20		MB-6	LCS-6	LCD-6
3. 2-Hexanone	U	5.0		141	100	141	62 - 130	*		124	13	20		MB-6	LCS-6	LCD-6

System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)					Run Code		
	Result	Spike	Rec.	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD	
	µg/L	µg/L	%		%	%	%	%		%	%	%					
1. Dibromofluoromethane(S)	50.6	50.0	101		49.6	50.0	99	80 - 120		99	0	20		MB-6	LCS-6	LCD-6	
2. 1,2-Dichloroethane-d4(S)	48.9	50.0	98		47.5	50.0	95	80 - 120		93	2	20		MB-6	LCS-6	LCD-6	
3. Toluene-d8(S)	49.9	50.0	100		50.5	50.0	101	80 - 122		101	0	20		MB-6	LCS-6	LCD-6	
4. 4-Bromofluorobenzene(S)	48.8	50.0	98		50.7	50.0	101	80 - 120		102	1	20		MB-6	LCS-6	LCD-6	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-6 VB14L29B 12/29/14 13:03
LCS-6 VB14L29B 12/29/14 11:16
LCD-6 VB14L29B 12/29/14 11:43

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



Daryl Strandbergh
Laboratory Director
Friday, January 02, 2015
10:14:38 AM

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Aqueous

Batch ID: VH14L24A
 Page: 1 of 2
 Date: 01/02/15

Preparation Batch: VH14L24A

Preparation Date: 12/24/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	RL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	20		118	100	118	50 - 136		158	29	20	*	MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	5.0		95.8	100	96	66 - 135		101	5	20		MB-1	LCS-1	LCD-1
3. Benzene	U	1.0		90.0	100	90	70 - 130		95	5	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	1.0		101	100	101	70 - 130		102	1	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	1.0		87.8	100	88	61 - 130		88	0	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	1.0		91.6	100	92	70 - 130		95	3	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	1.0		105	100	105	65 - 145		111	6	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	5.0		80.9	100	81	52 - 150		84	4	20		MB-1	LCS-1	LCD-1
9. t-Butanol	U	50		895	1,000	89	50 - 150		104	16	20		MB-1	LCS-1	LCD-1
10. 2-Butanone	U	5.0		114	100	114	59 - 130		142	22	20	*	MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	1.0		124	100	124	70 - 138		128	3	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	1.0		118	100	118	70 - 130		125	6	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	1.0		116	100	116	70 - 130		122	5	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	1.0		80.9	100	81	70 - 130		85	5	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	1.0		92.4	100	92	70 - 133		97	5	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	1.0		93.6	100	94	70 - 130		98	4	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	5.0		80.8	100	81	53 - 136		84	4	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	1.0		87.5	100	88	78 - 121		91	3	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	5.0		76.4	100	76	50 - 148		81	6	20		MB-1	LCS-1	LCD-1
20. Cyclohexane	U	5.0		95.4	100	95	66 - 136		101	6	20		MB-1	LCS-1	LCD-1
21. Dibromochloromethane	U	1.0		98.8	100	99	70 - 130		102	3	20		MB-1	LCS-1	LCD-1
22. 1,2-Dibromo-3-chloropropane	U	5.0		95.9	100	96	70 - 137		102	6	20		MB-1	LCS-1	LCD-1
23. Dibromomethane	U	1.0		92.8	100	93	70 - 130		97	4	20		MB-1	LCS-1	LCD-1
24. 1,2-Dichlorobenzene	U	1.0		113	100	113	70 - 130		115	2	20		MB-1	LCS-1	LCD-1
25. 1,3-Dichlorobenzene	U	1.0		112	100	112	70 - 130		116	4	20		MB-1	LCS-1	LCD-1
26. 1,4-Dichlorobenzene	U	1.0		102	100	102	70 - 130		105	3	20		MB-1	LCS-1	LCD-1
27. trans-1,4-Dichloro-2-butene	U	5.0		118	100	118	70 - 133		124	5	20		MB-1	LCS-1	LCD-1
28. Dichlorodifluoromethane	U	5.0		76.8	100	77	70 - 139		82	6	20		MB-1	LCS-1	LCD-1
29. 1,1-Dichloroethane	U	1.0		86.5	100	86	70 - 130		90	5	20		MB-1	LCS-1	LCD-1
30. 1,2-Dichloroethane	U	1.0		87.0	100	87	70 - 130		90	3	20		MB-1	LCS-1	LCD-1
31. 1,1-Dichloroethene	U	1.0		84.9	100	85	72 - 126		90	6	20		MB-1	LCS-1	LCD-1
32. cis-1,2-Dichloroethene	U	1.0		91.1	100	91	70 - 130		94	3	20		MB-1	LCS-1	LCD-1
33. trans-1,2-Dichloroethene	U	1.0		86.1	100	86	70 - 130		90	5	20		MB-1	LCS-1	LCD-1
34. 1,2-Dichloropropane	U	1.0		88.8	100	89	79 - 125		92	3	20		MB-1	LCS-1	LCD-1
35. cis-1,3-Dichloropropene	U	1.0		106	100	106	70 - 131		111	5	20		MB-1	LCS-1	LCD-1
36. trans-1,3-Dichloropropene	U	1.0		107	100	107	70 - 130		111	4	20		MB-1	LCS-1	LCD-1
37. Diethyl Ether	U	5.0		83.4	100	83	70 - 130		88	6	20		MB-1	LCS-1	LCD-1
38. Diisopropyl Ether	U	5.0		94.0	100	94	64 - 135		97	3	20		MB-1	LCS-1	LCD-1
39. ETBE	U	5.0		90.8	100	91	70 - 130		94	3	20		MB-1	LCS-1	LCD-1
40. Ethylbenzene	U	1.0		100.0	100	100	80 - 122		105	5	20		MB-1	LCS-1	LCD-1
41. Ethylene Dibromide	U	1.0		98.3	100	98	70 - 130		103	5	20		MB-1	LCS-1	LCD-1
42. Hexachloroethane	U	5.0		110	100	110	70 - 134		114	4	20		MB-1	LCS-1	LCD-1
43. 2-Hexanone	U	5.0		110	100	110	62 - 130		139	23	20	*	MB-1	LCS-1	LCD-1
44. Isopropylbenzene	U	1.0		108	100	108	70 - 130		115	6	20		MB-1	LCS-1	LCD-1
45. 4-Isopropyltoluene	U	1.0		119	100	119	70 - 131		125	5	20		MB-1	LCS-1	LCD-1
46. Methylene Chloride	U	5.0		80.5	100	80	63 - 130		84	5	20		MB-1	LCS-1	LCD-1
47. 2-Methylnaphthalene	U	5.0		101	100	101	50 - 149		120	17	20		MB-1	LCS-1	LCD-1
48. 4-Methyl-2-pentanone	U	5.0		98.2	100	98	67 - 134		109	11	20		MB-1	LCS-1	LCD-1
49. Naphthalene	U	5.0		113	100	113	70 - 130		120	6	20		MB-1	LCS-1	LCD-1
50. n-Propylbenzene	U	1.0		110	100	110	70 - 130		115	4	20		MB-1	LCS-1	LCD-1
51. Styrene	U	1.0		108	100	108	70 - 135		114	5	20		MB-1	LCS-1	LCD-1

1914 Holloway Drive
 11766 E. Grand River
 8660 S. Mackinaw Trail

Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-B368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Aqueous

Batch ID: VH14L24A
Page: 2 of 2
Date: 01/02/15

Preparation Batch: VH14L24A

Preparation Date: 12/24/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	RL	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%		%	%	%				
52. TAME	U	5.0		88.7	100	89	67 - 132		93	4	20		MB-1	LCS-1	LCD-1
53. 1,1,1,2-Tetrachloroethane	U	1.0		98.1	100	98	70 - 130		102	4	20		MB-1	LCS-1	LCD-1
54. 1,1,2,2-Tetrachloroethane	U	1.0		109	100	109	70 - 130		114	4	20		MB-1	LCS-1	LCD-1
55. Tetrachloroethene	U	1.0		98.9	100	99	70 - 130		104	5	20		MB-1	LCS-1	LCD-1
56. Tetrahydrofuran	U	5.0		79.9	100	80	50 - 130		89	11	20		MB-1	LCS-1	LCD-1
57. Toluene	U	1.0		89.3	100	89	80 - 120		94	5	20		MB-1	LCS-1	LCD-1
58. 1,2,3-Trichlorobenzene	U	5.0		120	100	120	70 - 130		125	4	20		MB-1	LCS-1	LCD-1
59. 1,2,4-Trichlorobenzene	U	5.0		120	100	120	70 - 130		122	2	20		MB-1	LCS-1	LCD-1
60. 1,1,1-Trichloroethane	U	1.0		88.6	100	89	70 - 130		93	4	20		MB-1	LCS-1	LCD-1
61. 1,1,2-Trichloroethane	U	1.0		95.7	100	96	70 - 130		99	3	20		MB-1	LCS-1	LCD-1
62. Trichloroethene	U	1.0		89.8	100	90	71 - 130		95	5	20		MB-1	LCS-1	LCD-1
63. Trichlorofluoromethane	U	1.0		84.3	100	84	69 - 131		88	5	20		MB-1	LCS-1	LCD-1
64. 1,2,3-Trichloropropane	U	1.0		106	100	106	70 - 130		113	6	20		MB-1	LCS-1	LCD-1
65. 1,2,3-Trimethylbenzene	U	1.0		107	100	107	70 - 130		111	4	20		MB-1	LCS-1	LCD-1
66. 1,2,4-Trimethylbenzene	U	1.0		113	100	113	70 - 130		117	3	20		MB-1	LCS-1	LCD-1
67. 1,3,5-Trimethylbenzene	U	1.0		113	100	113	70 - 130		119	5	20		MB-1	LCS-1	LCD-1
68. Vinyl Chloride	U	1.0		79.9	100	80	73 - 125		86	7	20		MB-1	LCS-1	LCD-1
69. m&p-Xylene	U	2.0		205	200	103	70 - 130		109	6	20		MB-1	LCS-1	LCD-1
70. o-Xylene	U	1.0		104	100	104	70 - 130		110	6	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	Spike µg/L	Rec. %	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Dibromofluoromethane(S)	104	100	104		99.2	100	99	80 - 120		99	0	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	110	100	110		105	100	105	80 - 120		106	1	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	108	100	108		107	100	107	80 - 122		108	1	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	92.9	100	93		95.5	100	95	80 - 120		97	2	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VH14L24A 12/24/14 13:25
LCS-1 VH14L24A 12/24/14 10:48
LCD-1 VH14L24A 12/24/14 11:15

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



Daryl Strandbergh
Laboratory Director
Friday, January 02, 2015
10:14:38 AM



Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Soil/Solid

Batch ID: VH14L26B
Page: 1 of 2
Date: 01/02/15

Preparation Batch: VH14L26B

Preparation Date: 12/26/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/kg	RL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	1000		8,221	5,000	164	50 - 145	*	184	11	20		MB-5	LCS-5	LCD-5
2. Acrylonitrile	U	250		5,700	5,000	114	66 - 139		110	4	20		MB-5	LCS-5	LCD-5
3. Benzene	U	50		5,541	5,000	111	70 - 130		104	7	20		MB-5	LCS-5	LCD-5
4. Bromobenzene	U	50		5,178	5,000	104	70 - 130		98	6	20		MB-5	LCS-5	LCD-5
5. Bromochloromethane	U	50		5,359	5,000	107	62 - 134		103	4	20		MB-5	LCS-5	LCD-5
6. Bromodichloromethane	U	50		5,409	5,000	108	70 - 130		104	4	20		MB-5	LCS-5	LCD-5
7. Bromoform	U	100		5,272	5,000	105	70 - 130		101	4	20		MB-5	LCS-5	LCD-5
8. Bromomethane	U	200		4,122	5,000	82	56 - 135		79	4	20		MB-5	LCS-5	LCD-5
9. t-Butanol	U	2500		55,915	50,000	112	50 - 150		109	3	20		MB-5	LCS-5	LCD-5
10. 2-Butanone	U	250		7,129	5,000	143	56 - 141	*	157	9	20		MB-5	LCS-5	LCD-5
11. n-Butylbenzene	U	50		5,854	5,000	117	70 - 141		109	7	20		MB-5	LCS-5	LCD-5
12. sec-Butylbenzene	U	50		5,716	5,000	114	70 - 130		106	7	20		MB-5	LCS-5	LCD-5
13. tert-Butylbenzene	U	50		5,797	5,000	116	70 - 130		108	7	20		MB-5	LCS-5	LCD-5
14. Carbon Disulfide	U	50		5,415	5,000	108	70 - 132		99	9	20		MB-5	LCS-5	LCD-5
15. Carbon Tetrachloride	U	50		5,553	5,000	111	70 - 143		104	7	20		MB-5	LCS-5	LCD-5
16. Chlorobenzene	U	50		5,132	5,000	103	70 - 130		96	7	20		MB-5	LCS-5	LCD-5
17. Chloroethane	U	250		4,660	5,000	93	60 - 150		87	7	20		MB-5	LCS-5	LCD-5
18. Chloroform	U	50		5,294	5,000	106	71 - 126		101	5	20		MB-5	LCS-5	LCD-5
19. Chloromethane	U	250		5,026	5,000	101	63 - 137		94	7	20		MB-5	LCS-5	LCD-5
20. Cyclohexane	U	250		5,933	5,000	119	69 - 148		112	6	20		MB-5	LCS-5	LCD-5
21. Dibromochloromethane	U	100		5,095	5,000	102	70 - 130		98	4	20		MB-5	LCS-5	LCD-5
22. 1,2-Dibromo-3-chloropropane	U	250		4,504	5,000	90	70 - 134		86	5	20		MB-5	LCS-5	LCD-5
23. Dibromomethane	U	100		5,029	5,000	101	70 - 130		97	4	20		MB-5	LCS-5	LCD-5
24. 1,2-Dichlorobenzene	U	50		5,728	5,000	115	70 - 130		108	6	20		MB-5	LCS-5	LCD-5
25. 1,3-Dichlorobenzene	U	50		5,421	5,000	108	70 - 130		103	5	20		MB-5	LCS-5	LCD-5
26. 1,4-Dichlorobenzene	U	50		4,980	5,000	100	70 - 130		94	6	20		MB-5	LCS-5	LCD-5
27. trans-1,4-Dichloro-2-butene	U	250		5,192	5,000	104	70 - 150		98	6	20		MB-5	LCS-5	LCD-5
28. Dichlorodifluoromethane	U	250		4,552	5,000	91	70 - 144		86	6	20		MB-5	LCS-5	LCD-5
29. 1,1-Dichloroethane	U	50		5,470	5,000	109	70 - 130		104	5	20		MB-5	LCS-5	LCD-5
30. 1,2-Dichloroethane	U	50		5,118	5,000	102	69 - 130		98	4	20		MB-5	LCS-5	LCD-5
31. 1,1-Dichloroethene	U	50		5,593	5,000	112	72 - 131		105	6	20		MB-5	LCS-5	LCD-5
32. cis-1,2-Dichloroethene	U	50		5,684	5,000	114	70 - 131		107	6	20		MB-5	LCS-5	LCD-5
33. trans-1,2-Dichloroethene	U	50		5,404	5,000	108	70 - 131		102	6	20		MB-5	LCS-5	LCD-5
34. 1,2-Dichloropropane	U	50		5,434	5,000	109	80 - 127		104	5	20		MB-5	LCS-5	LCD-5
35. cis-1,3-Dichloropropene	U	50		5,962	5,000	119	70 - 131		114	4	20		MB-5	LCS-5	LCD-5
36. trans-1,3-Dichloropropene	U	50		6,035	5,000	121	70 - 132		116	4	20		MB-5	LCS-5	LCD-5
37. Diethyl Ether	U	200		5,168	5,000	103	52 - 150		100	3	20		MB-5	LCS-5	LCD-5
38. Diisopropyl Ether	U	250		6,017	5,000	120	61 - 150		115	4	20		MB-5	LCS-5	LCD-5
39. ETBE	U	250		6,015	5,000	120	65 - 146		116	3	20		MB-5	LCS-5	LCD-5
40. Ethylbenzene	U	50		5,579	5,000	112	80 - 120		105	6	20		MB-5	LCS-5	LCD-5
41. Ethylene Dibromide	U	50		5,266	5,000	105	70 - 130		101	4	20		MB-5	LCS-5	LCD-5
42. Hexachloroethane	U	250		5,465	5,000	109	70 - 135		101	8	20		MB-5	LCS-5	LCD-5
43. 2-Hexanone	U	250		6,606	5,000	132	68 - 138		149	12	20		MB-5	LCS-5	LCD-5
44. Isopropylbenzene	U	100		6,536	5,000	131	70 - 130	*	122	7	20		MB-5	LCS-5	LCD-5
45. 4-Isopropyltoluene	U	100		5,587	5,000	112	70 - 131		105	6	20		MB-5	LCS-5	LCD-5
46. Methylene Chloride	U	100		4,912	5,000	98	62 - 130		94	4	20		MB-5	LCS-5	LCD-5
47. 2-Methylnaphthalene	U	250		4,480	5,000	90	51 - 149		87	3	20		MB-5	LCS-5	LCD-5
48. 4-Methyl-2-pentanone	U	500		5,547	5,000	111	70 - 133		111	0	20		MB-5	LCS-5	LCD-5
49. MTBE	U	50		5,712	5,000	114	61 - 142		110	4	20		MB-5	LCS-5	LCD-5
50. Naphthalene	U	250		4,865	5,000	97	70 - 136		93	4	20		MB-5	LCS-5	LCD-5
51. n-Propylbenzene	U	50		5,823	5,000	116	70 - 130		108	7	20		MB-5	LCS-5	LCD-5

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Soil/Solid

Batch ID: VH14L26B
Page: 2 of 2
Date: 01/02/15

Preparation Batch: VH14L26B

Preparation Date: 12/26/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	RL	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/kg	µg/kg		µg/kg	µg/kg	%	%		%	%	%				
52. Styrene	U	50		4,897	5,000	98	70 - 130		92	6	20		MB-5	LCS-5	LCD-5
53. TAME	U	250		5,634	5,000	113	64 - 137		109	4	20		MB-5	LCS-5	LCD-5
54. 1,1,1,2-Tetrachloroethane	U	50		5,343	5,000	107	70 - 130		102	5	20		MB-5	LCS-5	LCD-5
55. 1,1,2,2-Tetrachloroethane	U	50		5,204	5,000	104	70 - 130		98	6	20		MB-5	LCS-5	LCD-5
56. Tetrachloroethene	U	50		5,287	5,000	106	70 - 130		100	6	20		MB-5	LCS-5	LCD-5
57. Tetrahydrofuran	U	250		4,902	5,000	98	53 - 130		95	3	20		MB-5	LCS-5	LCD-5
58. Toluene	U	50		5,472	5,000	109	79 - 120		103	6	20		MB-5	LCS-5	LCD-5
59. 1,2,3-Trichlorobenzene	U	250		5,510	5,000	110	70 - 130		105	5	20		MB-5	LCS-5	LCD-5
60. 1,2,4-Trichlorobenzene	U	250		5,746	5,000	115	70 - 133		108	6	20		MB-5	LCS-5	LCD-5
61. 1,1,1-Trichloroethane	U	50		5,562	5,000	111	70 - 130		104	7	20		MB-5	LCS-5	LCD-5
62. 1,1,2-Trichloroethane	U	50		5,225	5,000	104	70 - 130		99	5	20		MB-5	LCS-5	LCD-5
63. Trichloroethene	U	50		5,429	5,000	109	70 - 130		103	6	20		MB-5	LCS-5	LCD-5
64. Trichlorofluoromethane	U	50		4,842	5,000	97	50 - 150		90	7	20		MB-5	LCS-5	LCD-5
65. 1,2,3-Trichloropropane	U	100		5,320	5,000	106	70 - 130		101	5	20		MB-5	LCS-5	LCD-5
66. 1,2,3-Trimethylbenzene	U	50		5,478	5,000	110	70 - 130		104	6	20		MB-5	LCS-5	LCD-5
67. 1,2,4-Trimethylbenzene	U	50		5,683	5,000	114	70 - 130		107	6	20		MB-5	LCS-5	LCD-5
68. 1,3,5-Trimethylbenzene	U	50		5,675	5,000	114	70 - 130		106	7	20		MB-5	LCS-5	LCD-5
69. Vinyl Chloride	U	50		5,279	5,000	106	70 - 137		99	7	20		MB-5	LCS-5	LCD-5
70. m&p-Xylene	U	100		11,445	10,000	114	70 - 130		107	6	20		MB-5	LCS-5	LCD-5
71. o-Xylene	U	50		5,701	5,000	114	70 - 130		108	5	20		MB-5	LCS-5	LCD-5

System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)					Run Code		
	Result	Spike	Rec.	Q	Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL	Q	MB	LCS	LCD	
	µg/kg	µg/kg	%		%	%	%	%	%	%	%						
1. Dibromofluoromethane(S)	5,000	5,000	100		4,955	5,000	99	77	120	100	1	20		MB-5	LCS-5	LCD-5	
2. 1,2-Dichloroethane-d4(S)	4,882	5,000	98		4,750	5,000	95	65	131	95	0	20		MB-5	LCS-5	LCD-5	
3. Toluene-d8(S)	4,982	5,000	100		4,943	5,000	99	75	121	99	0	20		MB-5	LCS-5	LCD-5	
4. 4-Bromofluorobenzene(S)	4,983	5,000	100		5,138	5,000	103	80	120	102	1	20		MB-5	LCS-5	LCD-5	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-5 VH14L26B 12/27/14 06:26
LCS-5 VH14L26B 12/27/14 03:49
LCD-5 VH14L26B 12/27/14 04:15

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



Daryl Strandbergh
Laboratory Director
Friday, January 02, 2015
10:14:38 AM

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Soil/Solid

Batch ID: VI14L26A
Page: 1 of 1
Date: 01/02/15

Preparation Batch: VI14L26A

Preparation Date: 12/26/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/kg	RL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. 2-Hexanone	U	500		8,209	5,000	164	68 - 138	*	159	3	20		MB-3	LCS-3	LCD-3
2. Isopropylbenzene	U	50		6,315	5,000	126	70 - 130		119	6	20		MB-3	LCS-3	LCD-3
3. Trichlorofluoromethane	U	50		5,458	5,000	109	50 - 150		107	2	20		MB-3	LCS-3	LCD-3

System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/kg	Spike µg/kg	Rec. %	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Dibromofluoromethane(S)	2,481	2,500	99		2,429	2,500	97	77 - 120		100	3	20		MB-3	LCS-3	LCD-3
2. 1,2-Dichloroethane-d4(S)	2,354	2,500	94		2,394	2,500	96	65 - 131		96	0	20		MB-3	LCS-3	LCD-3
3. Toluene-d8(S)	2,494	2,500	100		2,544	2,500	102	75 - 121		101	1	20		MB-3	LCS-3	LCD-3
4. 4-Bromofluorobenzene(S)	2,503	2,500	100		2,555	2,500	102	80 - 120		100	2	20		MB-3	LCS-3	LCD-3

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-3 VI14L26A 12/26/14 11:46
LCS-3 VI14L26A 12/26/14 09:35
LCD-3 VI14L26A 12/26/14 09:54

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



Daryl Strandbergh
Laboratory Director
Friday, January 02, 2015
10:14:38 AM

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Soil/Solid

Batch ID: VJ14L24B
Page: 1 of 2
Date: 01/02/15

Preparation Batch: VJ14L24B

Preparation Date: 12/24/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/kg	RL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	1000		6,550	5,000	131	50 - 145		126	4	20		MB-2	LCS-2	LCD-2
2. Acrylonitrile	U	250		4,887	5,000	98	66 - 139		95	3	20		MB-2	LCS-2	LCD-2
3. Benzene	U	50		5,205	5,000	104	70 - 130		102	2	20		MB-2	LCS-2	LCD-2
4. Bromobenzene	U	50		5,171	5,000	103	70 - 130		104	1	20		MB-2	LCS-2	LCD-2
5. Bromochloromethane	U	50		4,270	5,000	85	62 - 134		85	0	20		MB-2	LCS-2	LCD-2
6. Bromodichloromethane	U	50		4,837	5,000	97	70 - 130		96	1	20		MB-2	LCS-2	LCD-2
7. Bromoform	U	50		5,238	5,000	105	70 - 130		104	1	20		MB-2	LCS-2	LCD-2
8. Bromomethane	U	200		4,606	5,000	92	56 - 135		95	3	20		MB-2	LCS-2	LCD-2
9. t-Butanol	U	2500		57,949	50,000	116	50 - 150		105	10	20		MB-2	LCS-2	LCD-2
10. 2-Butanone	U	250		6,028	5,000	121	56 - 141		114	6	20		MB-2	LCS-2	LCD-2
11. n-Butylbenzene	U	50		6,148	5,000	123	70 - 141		120	2	20		MB-2	LCS-2	LCD-2
12. sec-Butylbenzene	U	50		5,878	5,000	118	70 - 130		115	3	20		MB-2	LCS-2	LCD-2
13. tert-Butylbenzene	U	50		5,697	5,000	114	70 - 130		113	1	20		MB-2	LCS-2	LCD-2
14. Carbon Disulfide	U	50		5,111	5,000	102	70 - 132		98	4	20		MB-2	LCS-2	LCD-2
15. Carbon Tetrachloride	U	50		4,503	5,000	90	70 - 143		86	5	20		MB-2	LCS-2	LCD-2
16. Chlorobenzene	U	50		4,952	5,000	99	70 - 130		98	1	20		MB-2	LCS-2	LCD-2
17. Chloroethane	U	250		4,302	5,000	86	60 - 150		81	6	20		MB-2	LCS-2	LCD-2
18. Chloroform	U	50		4,675	5,000	93	71 - 126		91	2	20		MB-2	LCS-2	LCD-2
19. Chloromethane	U	250		4,809	5,000	96	63 - 137		94	2	20		MB-2	LCS-2	LCD-2
20. Cyclohexane	U	250		5,179	5,000	104	69 - 148		99	5	20		MB-2	LCS-2	LCD-2
21. Dibromochloromethane	U	50		4,558	5,000	91	70 - 130		91	0	20		MB-2	LCS-2	LCD-2
22. 1,2-Dibromo-3-chloropropane	U	250		5,140	5,000	103	70 - 134		99	4	20		MB-2	LCS-2	LCD-2
23. Dibromomethane	U	50		4,650	5,000	93	70 - 130		93	0	20		MB-2	LCS-2	LCD-2
24. 1,2-Dichlorobenzene	U	50		5,139	5,000	103	70 - 130		104	1	20		MB-2	LCS-2	LCD-2
25. 1,3-Dichlorobenzene	U	50		5,109	5,000	102	70 - 130		103	1	20		MB-2	LCS-2	LCD-2
26. 1,4-Dichlorobenzene	U	50		4,923	5,000	98	70 - 130		100	2	20		MB-2	LCS-2	LCD-2
27. trans-1,4-Dichloro-2-butene	U	250		5,519	5,000	110	70 - 150		108	2	20		MB-2	LCS-2	LCD-2
28. Dichlorodifluoromethane	U	250		4,769	5,000	95	70 - 144		89	7	20		MB-2	LCS-2	LCD-2
29. 1,1-Dichloroethane	U	50		4,732	5,000	95	70 - 130		93	2	20		MB-2	LCS-2	LCD-2
30. 1,2-Dichloroethane	U	50		4,726	5,000	95	69 - 130		94	1	20		MB-2	LCS-2	LCD-2
31. 1,1-Dichloroethene	U	50		4,942	5,000	99	72 - 131		94	5	20		MB-2	LCS-2	LCD-2
32. cis-1,2-Dichloroethene	U	50		4,852	5,000	97	70 - 131		95	2	20		MB-2	LCS-2	LCD-2
33. trans-1,2-Dichloroethene	U	50		4,767	5,000	95	70 - 131		92	3	20		MB-2	LCS-2	LCD-2
34. 1,2-Dichloropropane	U	50		5,067	5,000	101	80 - 127		100	1	20		MB-2	LCS-2	LCD-2
35. cis-1,3-Dichloropropene	U	50		5,229	5,000	105	70 - 131		104	1	20		MB-2	LCS-2	LCD-2
36. trans-1,3-Dichloropropene	U	50		5,337	5,000	107	70 - 132		105	2	20		MB-2	LCS-2	LCD-2
37. Diethyl Ether	U	200		4,577	5,000	92	52 - 150		90	2	20		MB-2	LCS-2	LCD-2
38. Diisopropyl Ether	U	250		4,928	5,000	99	61 - 150		98	1	20		MB-2	LCS-2	LCD-2
39. ETBE	U	250		5,006	5,000	100	65 - 146		101	1	20		MB-2	LCS-2	LCD-2
40. Ethylbenzene	U	50		5,536	5,000	111	80 - 120		108	3	20		MB-2	LCS-2	LCD-2
41. Ethylene Dibromide	U	50		5,051	5,000	101	70 - 130		100	1	20		MB-2	LCS-2	LCD-2
42. Hexachloroethane	U	250		5,142	5,000	103	70 - 135		101	2	20		MB-2	LCS-2	LCD-2
43. 4-Isopropyltoluene	U	50		5,774	5,000	115	70 - 131		115	0	20		MB-2	LCS-2	LCD-2
44. Methylene Chloride	U	100		4,148	5,000	83	62 - 130		82	1	20		MB-2	LCS-2	LCD-2
45. 2-Methylnaphthalene	U	250		4,793	5,000	96	51 - 149		93	3	20		MB-2	LCS-2	LCD-2
46. 4-Methyl-2-pentanone	U	250		5,965	5,000	119	70 - 133		113	5	20		MB-2	LCS-2	LCD-2
47. MTBE	U	50		4,957	5,000	99	61 - 142		98	1	20		MB-2	LCS-2	LCD-2
48. Naphthalene	U	250		5,836	5,000	117	70 - 136		115	2	20		MB-2	LCS-2	LCD-2
49. n-Propylbenzene	U	50		5,941	5,000	119	70 - 130		117	2	20		MB-2	LCS-2	LCD-2
50. Styrene	U	50		5,824	5,000	116	70 - 130		115	1	20		MB-2	LCS-2	LCD-2
51. TAME	U	250		5,132	5,000	103	64 - 137		102	1	20		MB-2	LCS-2	LCD-2

1914 Holloway Drive
11766 E. Grand River
B660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Quality Control Report
Preparation Batch QC Summary
Gas Chromatography - Mass Spectrometry (Volatiles)
Soil/Solid

Batch ID: VJ14L24B
Page: 2 of 2
Date: 01/02/15

Preparation Batch: VJ14L24B

Preparation Date: 12/24/14

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/kg	RL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
52. 1,1,1,2-Tetrachloroethane	U	50		4,758	5,000	95	70 - 130		94	1	20		MB-2	LCS-2	LCD-2
53. 1,1,2,2-Tetrachloroethane	U	50		5,112	5,000	102	70 - 130		102	0	20		MB-2	LCS-2	LCD-2
54. Tetrachloroethene	U	50		5,077	5,000	102	70 - 130		97	5	20		MB-2	LCS-2	LCD-2
55. Tetrahydrofuran	U	250		4,622	5,000	92	53 - 130		86	7	20		MB-2	LCS-2	LCD-2
56. Toluene	U	50		5,130	5,000	103	79 - 120		100	3	20		MB-2	LCS-2	LCD-2
57. 1,2,3-Trichlorobenzene	U	250		5,647	5,000	113	70 - 130		113	0	20		MB-2	LCS-2	LCD-2
58. 1,2,4-Trichlorobenzene	U	250		5,827	5,000	117	70 - 133		116	1	20		MB-2	LCS-2	LCD-2
59. 1,1,1-Trichloroethane	U	50		4,722	5,000	94	70 - 130		91	3	20		MB-2	LCS-2	LCD-2
60. 1,1,2-Trichloroethane	U	50		5,104	5,000	102	70 - 130		100	2	20		MB-2	LCS-2	LCD-2
61. Trichloroethene	U	50		4,682	5,000	94	70 - 130		91	3	20		MB-2	LCS-2	LCD-2
62. 1,2,3-Trichloropropane	U	50		5,241	5,000	105	70 - 130		103	2	20		MB-2	LCS-2	LCD-2
63. 1,2,3-Trimethylbenzene	U	50		5,644	5,000	113	70 - 130		114	1	20		MB-2	LCS-2	LCD-2
64. 1,2,4-Trimethylbenzene	U	50		5,848	5,000	117	70 - 130		117	0	20		MB-2	LCS-2	LCD-2
65. 1,3,5-Trimethylbenzene	U	50		5,886	5,000	118	70 - 130		117	1	20		MB-2	LCS-2	LCD-2
66. Vinyl Chloride	U	50		5,052	5,000	101	70 - 137		97	4	20		MB-2	LCS-2	LCD-2
67. m&p-Xylene	U	100		11,489	10,000	115	70 - 130		111	4	20		MB-2	LCS-2	LCD-2
68. o-Xylene	U	50		5,769	5,000	115	70 - 130		113	2	20		MB-2	LCS-2	LCD-2

System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	Spike	Rec.	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/kg	µg/kg	%		%	%	%	%		%						
1. Dibromofluoromethane(S)	2,387	2,500	95		2,326	2,500	93	77 - 120		94	1	20		MB-2	LCS-2	LCD-2
2. 1,2-Dichloroethane-d4(S)	2,598	2,500	104		2,646	2,500	106	65 - 131		104	2	20		MB-2	LCS-2	LCD-2
3. Toluene-d8(S)	2,814	2,500	113		2,823	2,500	113	75 - 121		112	1	20		MB-2	LCS-2	LCD-2
4. 4-Bromofluorobenzene(S)	2,474	2,500	99		2,628	2,500	105	80 - 120		106	1	20		MB-2	LCS-2	LCD-2

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-2 VJ14L24B 12/25/14 02:31
LCS-2 VJ14L24B 12/25/14 00:30
LCD-2 VJ14L24B 12/25/14 00:54

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



Daryl Strandbergh
Laboratory Director
Friday, January 02, 2015
10:14:39 AM

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Fibertec
Environmental
Services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
134011
PAGE 2 of 2

Client Name: Bureau Veritas		Contact Person: Kellie Wray		Project Name / Number: 11013-000191 PSC	
QUOTE#		Purchase Order#			
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	
12-22-11	1130		BSB-36	10.5-2	
	1125		BSB-36	(8-10)	
	1120		BSB-36	(12.5-13)	
	1245		BSB-37	(7-4)	
	1530		BSB-37	(12.5-13.5)	
	1031		BSB-38	(1.5-2)	
	1030		BSB-38	(4.5-5)	
	1130		BSB-38		
	1020		BSB-38		
	800		Trip Blank	-12-22-11 G 3-1 X	
Comments: MDEQ Q memo 8 Rev 8 LODs See Fibertec Project # 101284					
Relinquished By: Kellie Wray		Date/Time: 12/21/11		Received By: [Signature]	
Relinquished By: [Signature]		Date/Time: 12/23/11		Received By: [Signature]	
Relinquished By: [Signature]		Date/Time: 12/23/11		Received By: [Signature]	
LAB USE ONLY: Fibertec project number: 5,1806 Laboratory Tracking: 65944 Temperature at Receipt: 65944					

TERMS & CONDITIONS ON BACK

COC Revision: February, 2013

BCVPD ON



Chain of Custody # 134012
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