



Wednesday, September 04, 2013

Fibertec Project Number: 57645
Project Identification: PSC-PETRO-CHEM /11013-000191
Submittal Date: 08/26/2013

Ms. Kellie Wing
Bureau Veritas North America, Inc.
22345 Reothel
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 samples will be disposed of 30 days after reporting date.

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,

A handwritten signature in black ink, appearing to read "Daryl P. Strandbergh".

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

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Analytical Laboratory Report
Laboratory Project Number: 57645
Laboratory Sample Number: 57645-001

Order: 57645
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Date: 09/04/13

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	TB-02	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	1	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 57645-001	Matrix: Ground Water	Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	20	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
2. Acrylonitrile	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
3. Benzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
4. Bromobenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
5. Bromochloromethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
6. Bromodichloromethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
7. Bromoform	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
8. Bromomethane	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
9. t-Butanol (NN)	U		µg/L	50	1.0	08/30/13	VH13H30A	08/30/13	VH13H30A
10. 2-Butanone	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
11. n-Butylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
12. sec-Butylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
13. tert-Butylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
14. Carbon Disulfide	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
16. Chlorobenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
17. Chloroethane	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
18. Chloroform	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
19. Chloromethane	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
20. Cyclohexane (NN)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
21. Dibromochloromethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
23. Dibromomethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
37. Diethyl Ether	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
38. Diisopropyl Ether (NN)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
39. ETBE (NN)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	TB-02	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	1	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-001		Matrix: Ground Water		Analyst: JPL
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
40. Ethylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
41. Ethylene Dibromide	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
42. Hexachloroethane	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
43. 2-Hexanone	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
44. Isopropylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
45. 4-Isopropyltoluene (NN)	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
46. Methyl Iodide	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
47. Methylene Chloride	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
48. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	08/30/13	VH13H30A	08/30/13	VH13H30A
49. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
50. MTBE	U		µg/L	2.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
51. Naphthalene	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
52. n-Propylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
53. Styrene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
54. TAME (NN)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
55. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
56. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
57. Tetrachloroethene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
58. Tetrahydrofuran (NN)	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
59. Toluene	U		µg/L	1.5	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
60. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
61. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
62. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
63. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
64. Trichloroethene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
65. Trichlorofluoromethane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
66. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
68. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
69. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
70. Vinyl Chloride	U		µg/L	1.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A
71. Xylenes	U		µg/L	3.0	1.0	08/29/13	VI13H29A	08/29/13	VI13H29A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-15 (3-5)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	2	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	09:30
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 57645-002A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	27		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 57645-002		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	685	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	340	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-15 (3-5)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	2	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	09:30
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-002		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	340	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	340	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	342	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	68	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	205	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-15 (5-7)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	3	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	09:35
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 57645-003A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	28		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 57645-003		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	693	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	350	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-15 (5-7)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	3	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	09:35
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-003		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	350	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	350	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	70		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	346	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	69	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	140	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	207	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification: Bureau Veritas North America, Inc.	Sample Description: BSB-15 (7-11)	Chain of Custody: 125645
Client Project Name: PSC-PETRO-CHEM	Sample No: 4	Collect Date: 08/23/13
Client Project No: 11013-000191	Sample Matrix: Ground Water	Collect Time: 09:50

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-004	Matrix: Ground Water	Analyst: JPL		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
2. Acrylonitrile	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
3. Benzene	19		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
4. Bromobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
5. Bromochloromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
6. Bromodichloromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
7. Bromoform	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
8. Bromomethane	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
9. t-Butanol (NN)	750		µg/L	50	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
10. 2-Butanone	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
11. n-Butylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
12. sec-Butylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
13. tert-Butylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
14. Carbon Disulfide	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
15. Carbon Tetrachloride	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
16. Chlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
17. Chloroethane	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
18. Chloroform	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
19. Chloromethane	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
20. Cyclohexane (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
21. Dibromochloromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
23. Dibromomethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
24. 1,2-Dichlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
25. 1,3-Dichlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
26. 1,4-Dichlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
28. Dichlorodifluoromethane	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
29. 1,1-Dichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
30. 1,2-Dichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
31. 1,1-Dichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
32. cis-1,2-Dichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
33. trans-1,2-Dichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
34. 1,2-Dichloropropane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
35. cis-1,3-Dichloropropene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
36. trans-1,3-Dichloropropene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
37. Diethyl Ether	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
38. Diisopropyl Ether (NN)	5.9		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A
39. ETBE (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-15 (7-11)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	4	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	09:50

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-004		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
41. Ethylene Dibromide	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
42. Hexachloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
43. 2-Hexanone	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
44. Isopropylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
45. 4-Isopropyltoluene (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
46. Methyl Iodide	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
47. Methylene Chloride	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
48. 2-Methylnaphthalene (NN)	U		µg/L	20	5.0	08/30/13	VH13H30A	08/30/13	VH13H30A	
49. 4-Methyl-2-pentanone	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
50. MTBE	740		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
51. Naphthalene	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
52. n-Propylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
53. Styrene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
54. TAME (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
55. 1,1,1,2-Tetrachloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
56. 1,1,2,2-Tetrachloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
57. Tetrachloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
58. Tetrahydrofuran (NN)	170		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
59. Toluene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
60. 1,2,3-Trichlorobenzene	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
61. 1,2,4-Trichlorobenzene	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
62. 1,1,1-Trichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
63. 1,1,2-Trichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
64. Trichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
65. Trichlorofluoromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
66. 1,2,3-Trichloropropane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
68. 1,2,4-Trimethylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
69. 1,3,5-Trimethylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
70. Vinyl Chloride	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
71. Xylenes	140		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	

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Analytical Laboratory Report
Laboratory Project Number: 57645
Laboratory Sample Number: 57645-005

Order: 57645
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Date: 09/04/13

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-16 (3-5)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	5	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	10:25
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 57645-005A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	13		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 57645-005		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	573	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	290	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-16 (3-5)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	5	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	10:25
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 NN: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-005		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	290	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	290	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	286	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	57	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	172	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-16 (5-7)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	6	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	10:30
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)					Aliquot ID: 57645-006A		Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1.Percent Moisture (Water Content) (NN)	11		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-006		Matrix: Soil/Solid		Analyst: CCD
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	562	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	280	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-16 (5-7)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	6	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	10:30
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 NN: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-006		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	280	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	280	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	281	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	56	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	110	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	168	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-16 (7-11)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	7	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	10:50

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-007		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/L	20	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
2. Acrylonitrile	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
3. Benzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
4. Bromobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
5. Bromochloromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
6. Bromodichloromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
7. Bromoform	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
8. Bromomethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
9. t-Butanol (NN)	580		µg/L	50	1.0	08/30/13	VH13H30A	08/30/13	VH13H30A	
10. 2-Butanone	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
11. n-Butylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
12. sec-Butylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
13. tert-Butylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
14. Carbon Disulfide	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
16. Chlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
17. Chloroethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
18. Chloroform	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
19. Chloromethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
20. Cyclohexane (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
21. Dibromochloromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
22. 1,2-Dibromo-3-chloropropane (SIM) (N	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
23. Dibromomethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
37. Diethyl Ether	47		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
38. Diisopropyl Ether (NN)	160		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
39. ETBE (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-16 (7-11)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	7	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	10:50

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-007		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
41. Ethylene Dibromide	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
42. Hexachloroethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
43. 2-Hexanone	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
44. Isopropylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
45. 4-Isopropyltoluene (NN)	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
46. Methyl Iodide	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
47. Methylene Chloride	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
48. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	08/30/13	VH13H30A	08/30/13	VH13H30A	
49. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
50. MTBE	28		µg/L	2.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
51. Naphthalene	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
52. n-Propylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
53. Styrene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
54. TAME (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
55. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
56. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
57. Tetrachloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
58. Tetrahydrofuran (NN)	110		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
59. Toluene	2.2		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
60. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
61. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
62. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
63. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
64. Trichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
65. Trichlorofluoromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
66. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
68. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
69. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
70. Vinyl Chloride	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
71. Xylenes	U		µg/L	3.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (3-5)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	8	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:40
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)					Aliquot ID: 57645-008A		Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	24		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-008		Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	655	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	330	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (3-5)	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	8	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:40

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 NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-008		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	330	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	330	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	327	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	196	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Analytical Laboratory Report
Laboratory Project Number: 57645
Laboratory Sample Number: 57645-009

Order: 57645
Page: 18 of 42
Date: 09/04/13

Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	DUP-03	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	9	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:45
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 57645-009A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	23		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 57645-009		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	653	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	330	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	DUP-03	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	9	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:45
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-009		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	330	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	330	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	326	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	65	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	195	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (3-5) MS	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	10	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:50
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 57645-010A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	18		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 57645-010		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	4879		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	5900		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	5600		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	6000		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	5400		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	5900		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	5600		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	5700		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	59000	J,V+	µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	5800		µg/kg	608	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	6700		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	6300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	6400		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	5300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	6900		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	5600		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	5900		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	5600		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	5600		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	5900		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	5800		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	6100		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	5100		µg/kg	300	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	5800		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	5700		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	5500		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	7700	J,V+	µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	5700		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	5700		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	6100		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	6000		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	5800		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	5900		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	5700		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (3-5) MS	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	10	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:50
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-010		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	6300		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	6500		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	5500		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	6100		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	6100		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	6000		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	5600		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	6200		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	6700		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	5900		µg/kg	300	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	6300		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	5800		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	5500		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	5400		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	6200		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	5900		µg/kg	300	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	6300		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	6300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	6100		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	6100		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	5800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	5800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	5300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	5400		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	5700		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	5900		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	6000		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	5900		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	5600		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	5400		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	7200		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	6000		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	6200		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	6400		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	6300		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	5800		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	19000		µg/kg	182	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (3-5) MSD	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	11	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:50
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)					Aliquot ID: 57645-011A		Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1.Percent Moisture (Water Content) (NN)	18		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-011		Matrix: Soil/Solid		Analyst: CCD
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	4439		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	5700		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	5400		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	5600		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	5300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	5800		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	5300		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	5600		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	55000	J,V+	µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	5600		µg/kg	608	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	6100		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	5800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	5900		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	5000		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	6800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	5300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	5600		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	5400		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	5400		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	5500		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	5700		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	5700		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	5000		µg/kg	300	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	5500		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	5400		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	5200		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	7300	J,V+	µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	5200		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	5400		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	6000		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	5800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	5700		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	5600		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	5700		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (3-5) MSD	Chain of Custody:	125645
Client Project Name:	PSC-PETRO-CHEM	Sample No:	11	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	11:50

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 NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-011		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	6200		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	6400		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	5400		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	5900		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	6000		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	5600		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	5300		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	5700		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	6400		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	5400		µg/kg	300	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	5800		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	5400		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	5300		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	5000		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	6100		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	5800		µg/kg	300	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	6000		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	5800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	5800		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	6100		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	5500		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	5700		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	4900		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	5200		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	5500		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	5400		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	5500		µg/kg	304	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	5600		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	5400		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	5200		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	6800		µg/kg	60	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	5700		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	5800		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	5900		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	5800		µg/kg	120	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	5500		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	18000		µg/kg	182	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (5-7)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	12	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	12:00
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)					Aliquot ID: 57645-012A		Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	22		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-012		Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	636	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	320	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (5-7)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	12	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	12:00
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-012		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
41. Ethylene Dibromide	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	320	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	U		µg/kg	320	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	318	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	U		µg/kg	191	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 (7-11)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	13	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	12:20

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-013		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/L	200	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
2. Acrylonitrile	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
3. Benzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
4. Bromobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
5. Bromochloromethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
6. Bromodichloromethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
7. Bromoform	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
8. Bromomethane	U		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
9. t-Butanol (NN)	U		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
10. 2-Butanone	U		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
11. n-Butylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
12. sec-Butylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
13. tert-Butylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
14. Carbon Disulfide	U		µg/L	10	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
15. Carbon Tetrachloride	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
16. Chlorobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
17. Chloroethane	U		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
18. Chloroform	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
19. Chloromethane	U		µg/L	21	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
20. Cyclohexane (NN)	U		µg/L	19	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
21. Dibromochloromethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
23. Dibromomethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
24. 1,2-Dichlorobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
25. 1,3-Dichlorobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
26. 1,4-Dichlorobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
28. Dichlorodifluoromethane	U		µg/L	27	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
29. 1,1-Dichloroethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
30. 1,2-Dichloroethane	U		µg/L	16	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
31. 1,1-Dichloroethene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
32. cis-1,2-Dichloroethene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
33. trans-1,2-Dichloroethene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
34. 1,2-Dichloropropane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
35. cis-1,3-Dichloropropene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
36. trans-1,3-Dichloropropene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
37. Diethyl Ether	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
38. Diisopropyl Ether (NN)	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
39. ETBE (NN)	U J,V-		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	

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Client Identification: **Bureau Veritas North America, Inc.** Sample Description: **BSB-17 (7-11)** Chain of Custody: **125648**
Client Project Name: **PSC-PETRO-CHEM** Sample No: **13** Collect Date: **08/23/13**
Client Project No: **11013-000191** Sample Matrix: **Ground Water** Collect Time: **12:20**

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-013		Matrix: Ground Water		Analyst: JPL
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
40. Ethylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
41. Ethylene Dibromide	U		µg/L	17	20	08/30/13	VH13H30A	08/30/13	VH13H30A
42. Hexachloroethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
43. 2-Hexanone	U		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A
44. Isopropylbenzene	U		µg/L	17	20	08/30/13	VH13H30A	08/30/13	VH13H30A
45. 4-Isopropyltoluene (NN)	U		µg/L	13	20	08/30/13	VH13H30A	08/30/13	VH13H30A
46. Methyl Iodide	U		µg/L	11	20	08/30/13	VH13H30A	08/30/13	VH13H30A
47. Methylene Chloride	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
48. 2-Methylnaphthalene (NN)	U		µg/L	80	20	08/30/13	VH13H30A	08/30/13	VH13H30A
49. 4-Methyl-2-pentanone	U		µg/L	21	20	08/30/13	VH13H30A	08/30/13	VH13H30A
50. MTBE	U J,V-		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A
51. Naphthalene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
52. n-Propylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
53. Styrene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
54. TAME (NN)	U		µg/L	5.0	1.0	08/27/13	VI13H27B	08/28/13	VI13H27B
55. 1,1,1,2-Tetrachloroethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
56. 1,1,2,2-Tetrachloroethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
57. Tetrachloroethene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
58. Tetrahydrofuran (NN)	U		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A
59. Toluene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
60. 1,2,3-Trichlorobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
61. 1,2,4-Trichlorobenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
62. 1,1,1-Trichloroethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
63. 1,1,2-Trichloroethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
64. Trichloroethene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
65. Trichlorofluoromethane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
66. 1,2,3-Trichloropropane	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
68. 1,2,4-Trimethylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
69. 1,3,5-Trimethylbenzene	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
70. Vinyl Chloride	U		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A
71. Xylenes	U		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	DUP-04	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	14	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	12:25

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-014		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/L	50	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
2. Acrylonitrile	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
3. Benzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
4. Bromobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
5. Bromochloromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
6. Bromodichloromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
7. Bromoform	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
8. Bromomethane	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
9. t-Butanol (NN)	690		µg/L	50	5.0	08/30/13	VH13H30A	08/30/13	VH13H30A	
10. 2-Butanone	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
11. n-Butylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
12. sec-Butylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
13. tert-Butylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
14. Carbon Disulfide	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
15. Carbon Tetrachloride	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
16. Chlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
17. Chloroethane	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
18. Chloroform	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
19. Chloromethane	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
20. Cyclohexane (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
21. Dibromochloromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
23. Dibromomethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
24. 1,2-Dichlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
25. 1,3-Dichlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
26. 1,4-Dichlorobenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
28. Dichlorodifluoromethane	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
29. 1,1-Dichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
30. 1,2-Dichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
31. 1,1-Dichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
32. cis-1,2-Dichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
33. trans-1,2-Dichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
34. 1,2-Dichloropropane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
35. cis-1,3-Dichloropropene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
36. trans-1,3-Dichloropropene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
37. Diethyl Ether	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
38. Diisopropyl Ether (NN)	11		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
39. ETBE (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	

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Client Identification: Bureau Veritas North America, Inc.	Sample Description: DUP-04	Chain of Custody: 125648
Client Project Name: PSC-PETRO-CHEM	Sample No: 14	Collect Date: 08/23/13
Client Project No: 11013-000191	Sample Matrix: Ground Water	Collect Time: 12:25

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-014		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
41. Ethylene Dibromide	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
42. Hexachloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
43. 2-Hexanone	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
44. Isopropylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
45. 4-Isopropyltoluene (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
46. Methyl Iodide	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
47. Methylene Chloride	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
48. 2-Methylnaphthalene (NN)	U		µg/L	20	5.0	08/30/13	VH13H30A	08/30/13	VH13H30A	
49. 4-Methyl-2-pentanone	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
50. MTBE	710		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
51. Naphthalene	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
52. n-Propylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
53. Styrene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
54. TAME (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
55. 1,1,1,2-Tetrachloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
56. 1,1,2,2-Tetrachloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
57. Tetrachloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
58. Tetrahydrofuran (NN)	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
59. Toluene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
60. 1,2,3-Trichlorobenzene	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
61. 1,2,4-Trichlorobenzene	U		µg/L	25	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
62. 1,1,1-Trichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
63. 1,1,2-Trichloroethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
64. Trichloroethene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
65. Trichlorofluoromethane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
66. 1,2,3-Trichloropropane	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
68. 1,2,4-Trimethylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
69. 1,3,5-Trimethylbenzene	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
70. Vinyl Chloride	U		µg/L	5.0	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
71. Xylenes	U		µg/L	10	5.0	08/30/13	VI13H30A	08/30/13	VI13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 MS	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	15	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	12:35

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-015		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	2100		µg/L	200	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
2. Acrylonitrile	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
3. Benzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
4. Bromobenzene	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
5. Bromochloromethane	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
6. Bromodichloromethane	2500		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
7. Bromoform	2500		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
8. Bromomethane	2300		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
9. i-Butanol (NN)	18000		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
10. 2-Butanone	1800		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
11. n-Butylbenzene	2600		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
12. sec-Butylbenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
13. tert-Butylbenzene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
14. Carbon Disulfide	2400		µg/L	10	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
15. Carbon Tetrachloride	2500		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
16. Chlorobenzene	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
17. Chloroethane	3600	J,L+	µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
18. Chloroform	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
19. Chloromethane	2400		µg/L	21	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
20. Cyclohexane (NN)	2800		µg/L	19	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
21. Dibromochloromethane	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	2500	J,L+	µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
23. Dibromomethane	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
24. 1,2-Dichlorobenzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
25. 1,3-Dichlorobenzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
26. 1,4-Dichlorobenzene	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
27. trans-1,4-Dichloro-2-butene (SIM)	2800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
28. Dichlorodifluoromethane	2700		µg/L	27	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
29. 1,1-Dichloroethane	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
30. 1,2-Dichloroethane	2100		µg/L	16	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
31. 1,1-Dichloroethene	2600		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
32. cis-1,2-Dichloroethene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
33. trans-1,2-Dichloroethene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
34. 1,2-Dichloropropane	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
35. cis-1,3-Dichloropropene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
36. trans-1,3-Dichloropropene	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
37. Diethyl Ether	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
38. Diisopropyl Ether (NN)	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
39. ETBE (NN)	1600	J,V-	µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 MS	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	15	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	12:35

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-015		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
41. Ethylene Dibromide	1900		µg/L	17	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
42. Hexachloroethane	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
43. 2-Hexanone	2000		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
44. Isopropylbenzene	2300		µg/L	17	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
45. 4-Isopropyltoluene (NN)	2500		µg/L	13	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
46. Methyl Iodide	2200		µg/L	11	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
47. Methylene Chloride	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
48. 2-Methylnaphthalene (NN)	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
49. 4-Methyl-2-pentanone	2400		µg/L	21	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
50. MTBE	1900	J,V-	µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
51. Naphthalene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
52. n-Propylbenzene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
53. Styrene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
54. TAME (NN)	120		µg/L	5.0	1.0	08/27/13	VI13H27B	08/28/13	VI13H27B	
55. 1,1,1,2-Tetrachloroethane	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
56. 1,1,2,2-Tetrachloroethane	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
57. Tetrachloroethene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
58. Tetrahydrofuran (NN)	1700		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
59. Toluene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
60. 1,2,3-Trichlorobenzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
61. 1,2,4-Trichlorobenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
62. 1,1,1-Trichloroethane	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
63. 1,1,2-Trichloroethane	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
64. Trichloroethene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
65. Trichlorofluoromethane	3400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
66. 1,2,3-Trichloropropane	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
67. 1,2,3-Trimethylbenzene (NN)	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
68. 1,2,4-Trimethylbenzene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
69. 1,3,5-Trimethylbenzene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
70. Vinyl Chloride	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
71. Xylenes	6800		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-17 MSD	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	16	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	12:35

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-016		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	2000		µg/L	200	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
2. Acrylonitrile	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
3. Benzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
4. Bromobenzene	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
5. Bromochloromethane	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
6. Bromodichloromethane	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
7. Bromoform	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
8. Bromomethane	2300		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
9. t-Butanol (NN)	17000		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
10. 2-Butanone	1600		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
11. n-Butylbenzene	2500		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
12. sec-Butylbenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
13. tert-Butylbenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
14. Carbon Disulfide	2300		µg/L	10	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
15. Carbon Tetrachloride	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
16. Chlorobenzene	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
17. Chloroethane	3500	J,L+	µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
18. Chloroform	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
19. Chloromethane	2200		µg/L	21	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
20. Cyclohexane (NN)	2600		µg/L	19	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
21. Dibromochloromethane	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
23. Dibromomethane	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
24. 1,2-Dichlorobenzene	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
25. 1,3-Dichlorobenzene	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
26. 1,4-Dichlorobenzene	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
27. trans-1,4-Dichloro-2-butene (SIM)	2600	J,L+	µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
28. Dichlorodifluoromethane	2400		µg/L	27	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
29. 1,1-Dichloroethane	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
30. 1,2-Dichloroethane	2000		µg/L	16	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
31. 1,1-Dichloroethene	2400		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
32. cis-1,2-Dichloroethene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
33. trans-1,2-Dichloroethene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
34. 1,2-Dichloropropane	1900		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
35. cis-1,3-Dichloropropene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
36. trans-1,3-Dichloropropene	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
37. Diethyl Ether	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
38. Diisopropyl Ether (NN)	1700		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
39. ETBE (NN)	1500	J,V-	µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	

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Client Identification: Bureau Veritas North America, Inc.	Sample Description: BSB-17 MSD	Chain of Custody: 125648
Client Project Name: PSC-PETRO-CHEM	Sample No: 16	Collect Date: 08/23/13
Client Project No: 11013-000191	Sample Matrix: Ground Water	Collect Time: 12:35

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-016		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
41. Ethylene Dibromide	1800		µg/L	17	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
42. Hexachloroethane	2300		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
43. 2-Hexanone	1800		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
44. Isopropylbenzene	2100		µg/L	17	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
45. 4-Isopropyltoluene (NN)	2400		µg/L	13	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
46. Methyl Iodide	2100		µg/L	11	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
47. Methylene Chloride	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
48. 2-Methylnaphthalene (NN)	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
49. 4-Methyl-2-pentanone	2300		µg/L	21	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
50. MTBE	1800	J,V-	µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
51. Naphthalene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
52. n-Propylbenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
53. Styrene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
54. TAME (NN)	130		µg/L	5.0	1.0	08/27/13	VH13H27B	08/28/13	VH13H27B	
55. 1,1,1,2-Tetrachloroethane	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
56. 1,1,2,2-Tetrachloroethane	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
57. Tetrachloroethene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
58. Tetrahydrofuran (NN)	1600		µg/L	100	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
59. Toluene	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
60. 1,2,3-Trichlorobenzene	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
61. 1,2,4-Trichlorobenzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
62. 1,1,1-Trichloroethane	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
63. 1,1,2-Trichloroethane	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
64. Trichloroethene	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
65. Trichlorofluoromethane	3200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
66. 1,2,3-Trichloropropane	1800		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
67. 1,2,3-Trimethylbenzene (NN)	2000		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
68. 1,2,4-Trimethylbenzene	2200		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
69. 1,3,5-Trimethylbenzene	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
70. Vinyl Chloride	2100		µg/L	20	20	08/30/13	VH13H30A	08/30/13	VH13H30A	
71. Xylenes	6400		µg/L	40	20	08/30/13	VH13H30A	08/30/13	VH13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	RB-01	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	17	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	13:10

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 57645-017	Matrix: Ground Water	Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	20	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
2. Acrylonitrile	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
3. Benzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
4. Bromobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
5. Bromochloromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
6. Bromodichloromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
7. Bromoform	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
8. Bromomethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
9. t-Butanol (NN)	U		µg/L	50	1.0	08/30/13	VH13H30B	08/31/13	VH13H30B
10. 2-Butanone	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
11. n-Butylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
12. sec-Butylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
13. tert-Butylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
14. Carbon Disulfide	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
15. Carbon Tetrachloride	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
16. Chlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
17. Chloroethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
18. Chloroform	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
19. Chloromethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
20. Cyclohexane (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
21. Dibromochloromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
23. Dibromomethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
24. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
25. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
26. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
28. Dichlorodifluoromethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
29. 1,1-Dichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
30. 1,2-Dichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
31. 1,1-Dichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
32. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
33. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
34. 1,2-Dichloropropane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
35. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
36. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
37. Diethyl Ether	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
38. Diisopropyl Ether (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A
39. ETBE (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A

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Client Identification: Bureau Veritas North America, Inc.	Sample Description: RB-01	Chain of Custody: 125648
Client Project Name: PSC-PETRO-CHEM	Sample No: 17	Collect Date: 08/23/13
Client Project No: 11013-000191	Sample Matrix: Ground Water	Collect Time: 13:10

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-017		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
41. Ethylene Dibromide	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
42. Hexachloroethane	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
43. 2-Hexanone	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
44. Isopropylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
45. 4-Isopropyltoluene (NN)	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
46. Methyl Iodide	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
47. Methylene Chloride	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
48. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	08/30/13	VH13H30B	08/31/13	VH13H30B	
49. 4-Methyl-2-pentanone	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
50. MT BE	U		µg/L	2.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
51. Naphthalene	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
52. n-Propylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
53. Styrene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
54. TAME (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
55. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
56. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
57. Tetrachloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
58. Tetrahydrofuran (NN)	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
59. Toluene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
60. 1,2,3-Trichlorobenzene	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
61. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
62. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
63. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
64. Trichloroethene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
65. Trichlorofluoromethane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
66. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
68. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
69. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
70. Vinyl Chloride	U		µg/L	1.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	
71. Xylenes	U		µg/L	3.0	1.0	08/30/13	VI13H30A	08/30/13	VI13H30A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-18 (3-5)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	18	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	13:40
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)					Aliquot ID: 57645-018A		Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	21		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-018		Matrix: Soil/Solid		Analyst: CCD
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
3. Benzene	450		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
4. Bromobenzene	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
7. Bromoform	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
10. 2-Butanone	U		µg/kg	630	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
17. Chloroethane	449		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
20. Cyclohexane (NN)	535		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
23. Dibromomethane	U		µg/kg	320	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-18 (3-5)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	18	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	13:40
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-018		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
40. Ethylbenzene	22000		µg/kg	630	10	08/28/13	VJ13H28A	08/28/13	VJ13H28A	
41. Ethylene Dibromide	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
44. Isopropylbenzene	330		µg/kg	320	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
50. MTBE	800		µg/kg	320	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
51. Naphthalene	U		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
52. n-Propylbenzene	240		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
59. Toluene	170		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	315	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	63	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	220		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	270		µg/kg	130	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/27/13	VJ13H27A	
71. Xylenes	44000		µg/kg	1900	10	08/28/13	VJ13H28A	08/28/13	VJ13H28A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-18 (5-7)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	19	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	13:45
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 NN: Parameter not included in NELAC Scope of Analysis.				

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 57645-019A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	17		%	0.1	1.0	08/28/13	MC130828	08/29/13	MC130828

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 57645-019		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
2. Acrylonitrile	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
3. Benzene	350		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
4. Bromobenzene	U		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
5. Bromochloromethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
6. Bromodichloromethane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
7. Bromoform	U		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
8. Bromomethane	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
9. t-Butanol (NN)	U		µg/kg	2500	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
10. 2-Butanone	U		µg/kg	603	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
11. n-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
12. sec-Butylbenzene	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
13. tert-Butylbenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
14. Carbon Disulfide	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
15. Carbon Tetrachloride	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
16. Chlorobenzene	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
17. Chloroethane	514		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
18. Chloroform	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
19. Chloromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
20. Cyclohexane (NN)	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
21. Dibromochloromethane	U		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
23. Dibromomethane	U		µg/kg	300	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
24. 1,2-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
25. 1,3-Dichlorobenzene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
26. 1,4-Dichlorobenzene	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
29. 1,1-Dichloroethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
30. 1,2-Dichloroethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
31. 1,1-Dichloroethene	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A
34. 1,2-Dichloropropane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-18 (5-7)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	19	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Soil/Solid	Collect Time:	13:45
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 NN: Parameter not included in NELAC Scope of Analysis.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)					Aliquot ID: 57645-019		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
37. Diethyl Ether	U		µg/kg	200	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
38. Diisopropyl Ether (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
39. ETBE (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
40. Ethylbenzene	16000		µg/kg	600	10	08/28/13	VJ13H28A	08/28/13	VJ13H28A	
41. Ethylene Dibromide	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
42. Hexachloroethane	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
43. 2-Hexanone	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
44. Isopropylbenzene	U		µg/kg	300	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
45. 4-Isopropyltoluene (NN)	U		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
46. Methyl Iodide	U		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
47. Methylene Chloride	U		µg/kg	100	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
48. 2-Methylnaphthalene (NN)	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
49. 4-Methyl-2-pentanone	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
50. MTBE	780		µg/kg	300	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
51. Naphthalene	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
52. n-Propylbenzene	230		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
53. Styrene	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
54. TAME (NN)	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
55. 1,1,1,2-Tetrachloroethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
56. 1,1,2,2-Tetrachloroethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
57. Tetrachloroethene	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
58. Tetrahydrofuran (NN)	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
59. Toluene	300		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
60. 1,2,3-Trichlorobenzene	U		µg/kg	250	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
61. 1,2,4-Trichlorobenzene	U		µg/kg	301	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
62. 1,1,1-Trichloroethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
63. 1,1,2-Trichloroethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
64. Trichloroethene	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
65. Trichlorofluoromethane	U		µg/kg	60	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
66. 1,2,3-Trichloropropane	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
68. 1,2,4-Trimethylbenzene	270		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
69. 1,3,5-Trimethylbenzene	260		µg/kg	120	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
70. Vinyl Chloride	U		µg/kg	50	1.0	08/27/13	VJ13H27A	08/28/13	VJ13H27A	
71. Xylenes	37000		µg/kg	1800	10	08/28/13	VJ13H28A	08/28/13	VJ13H28A	

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Client Identification:	Bureau Veritas North America, Inc.	Sample Description:	BSB-18 (7-11)	Chain of Custody:	125648
Client Project Name:	PSC-PETRO-CHEM	Sample No:	20	Collect Date:	08/23/13
Client Project No:	11013-000191	Sample Matrix:	Ground Water	Collect Time:	14:05

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 57645-020		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	1000	100	08/29/13	VI13H29A	08/29/13	VI13H29A
2. Acrylonitrile	U		µg/L	200	100	08/29/13	VI13H29A	08/29/13	VI13H29A
3. Benzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
4. Bromobenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
5. Bromochloromethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
6. Bromodichloromethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
7. Bromoform	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
8. Bromomethane	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A
9. t-Butanol (NN)	3600		µg/L	500	100	08/30/13	VH13H30A	08/30/13	VH13H30A
10. 2-Butanone	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A
11. n-Butylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
12. sec-Butylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
13. tert-Butylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
14. Carbon Disulfide	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
15. Carbon Tetrachloride	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
16. Chlorobenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
17. Chloroethane	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A
18. Chloroform	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
19. Chloromethane	U		µg/L	200	100	08/29/13	VI13H29A	08/29/13	VI13H29A
20. Cyclohexane (NN)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
21. Dibromochloromethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
22. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
23. Dibromomethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
24. 1,2-Dichlorobenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
25. 1,3-Dichlorobenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
26. 1,4-Dichlorobenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
27. trans-1,4-Dichloro-2-butene (SIM)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
28. Dichlorodifluoromethane	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A
29. 1,1-Dichloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
30. 1,2-Dichloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
31. 1,1-Dichloroethene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
32. cis-1,2-Dichloroethene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
33. trans-1,2-Dichloroethene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
34. 1,2-Dichloropropane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
35. cis-1,3-Dichloropropene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
36. trans-1,3-Dichloropropene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
37. Diethyl Ether	U		µg/L	200	100	08/29/13	VI13H29A	08/29/13	VI13H29A
38. Diisopropyl Ether (NN)	180		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A
39. ETBE (NN)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A

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Client Identification: Bureau Veritas North America, Inc.	Sample Description: BSB-18 (7-11)	Chain of Custody: 125648
Client Project Name: PSC-PETRO-CHEM	Sample No: 20	Collect Date: 08/23/13
Client Project No: 11013-000191	Sample Matrix: Ground Water	Collect Time: 14:05

Sample Comments:

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

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)					Aliquot ID: 57645-020		Matrix: Ground Water		Analyst: JPL	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
40. Ethylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
41. Ethylene Dibromide	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
42. Hexachloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
43. 2-Hexanone	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
44. Isopropylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
45. 4-Isopropyltoluene (NN)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
46. Methyl Iodide	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
47. Methylene Chloride	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
48. 2-Methylnaphthalene (NN)	U		µg/L	390	100	08/30/13	VH13H30A	08/30/13	VH13H30A	
49. 4-Methyl-2-pentanone	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
50. MTBE	9900		µg/L	200	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
51. Naphthalene	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
52. n-Propylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
53. Styrene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
54. TAME (NN)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
55. 1,1,1,2-Tetrachloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
56. 1,1,2,2-Tetrachloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
57. Tetrachloroethene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
58. Tetrahydrofuran (NN)	1700		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
59. Toluene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
60. 1,2,3-Trichlorobenzene	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
61. 1,2,4-Trichlorobenzene	U		µg/L	500	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
62. 1,1,1-Trichloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
63. 1,1,2-Trichloroethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
64. Trichloroethene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
65. Trichlorofluoromethane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
66. 1,2,3-Trichloropropane	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
67. 1,2,3-Trimethylbenzene (NN)	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
68. 1,2,4-Trimethylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
69. 1,3,5-Trimethylbenzene	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
70. Vinyl Chloride	U		µg/L	100	100	08/29/13	VI13H29A	08/29/13	VI13H29A	
71. Xylenes	U		µg/L	200	100	08/29/13	VI13H29A	08/29/13	VI13H29A	

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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:

- L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V- : Recovery in the associated continuing calibration verification sample (CCV) exceeds the lower control limit. Results may be biased low.
V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.



Accreditation Number:

E-10395

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Chain of Custody #
125645
 PAGE 1 of 2

Client Name: Bureau Veritas			Contact Person: Kellye Lunt			Project Name/ Number: PSC-REPO-chem 11013-000191		
QUOTE#			Purchase Order#					
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	
8/23/13	9:30		18-02		602	Y	X	
8/23/13	9:30		B5B-13 (3-5)		5	2	Y	X
8/23/13	9:35		B5B-15 (3-5)		5	2	Y	X
8/23/13	9:50		B5B-15 (2-11)		610	3	Y	X
8/23/13	10:25		B5B-16 (3-5)		5	2	Y	X
8/23/13	10:30		B5B-16 (5-7)		5	2	Y	X
8/23/13	10:50		B5B-16 (Y-11)		610	3	Y	X
8/23/13	11:40		B5B-17 (3-5)		5	2	Y	X
8/23/13	11:45		B5B-17		5	2	Y	X
8/23/13	11:50		B5B-17 (ms/ms)		5	3	Y	X
Comments: mp6a or p6mo (and) 46US609 LODs								
Relinquished By: <i>[Signature]</i>			Date/Time: 8/23/13 1330			Received By: <i>[Signature]</i>		
Relinquished By: <i>[Signature]</i>			Date/Time: 8/23/13 3:53			Received By: <i>[Signature]</i>		
Relinquished By: <i>[Signature]</i>			Date/Time: 8/26/13 9:53			Received By: <i>[Signature]</i>		

LAB USE ONLY:
 Fibertec Project number
 Laboratory Tracking
 Temperature at Receipt:

TERMS & CONDITIONS ON BACK

COC Revision: February, 2013

ICE 3.0

Fibertec environmental services

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Chain of Custody #
125648
PAGE 2 of 2

Client Name: BUREAU VERITAS		Contact Person: KARL WING		Project Name/ Number: PC-RT128-CLX 1013-000191	
Purchase Order #		QUOTE#			
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)
812313	1200		B58-17	(5-7)	58 Y X
812313	1220		B58-17	(7-11)	60 Y X
812313	1235		BUP-04		60 Y X
812312	1235		B58-17	(m/m50)	60 Y X
812312	1316		B58-01		60 Y X
812312	1340		B58-18	(3-5)	52 Y X
812312	1345		B58-18	(3-7)	62 Y X
812312	1405		B58-18	(7-11)	60 Y X
Comments: WATER FROM SAND SANDWICH L200					
Relinquished By: [Signature]	Date/Time: 8/23/13 1300	Received By: [Signature]	Date/Time: 8/23/13 1300		
Relinquished By: [Signature]	Date/Time: 8/23/13 1300	Received By: [Signature]	Date/Time: 8/23/13 1300		
Relinquished By: [Signature]	Date/Time: 8/23/13 1300	Received By: [Signature]	Date/Time: 8/23/13 1300		
LAB USE ONLY: Fibertec project number: 1013-000191 Laboratory Tracking: 1013-000191 Temperature at Receipt: ICE					

ICE

TERMS & CONDITIONS ON BACK

COC Revision: February, 2013

Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VH13H30B
Page: 1 of 3
Date: 09/03/13

06
09-03-13

Preparation Batch: VH13H30B

Preparation Date: 08/30/13

Parameter	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	PQL µg/L		Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
Parameter	Result µg/L	PQL µg/L		Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	10.0			117	100	117	19 - 165		129	10	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	1.00			122	100	122	43 - 155		129	6	20		MB-1	LCS-1	LCD-1
3. Benzene	U	1.00			108	100	108	89 - 137		99	9	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	1.00			107	100	107	65 - 140		102	5	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	1.00			95.7	100	96	33 - 141		90	6	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	1.00			128	100	128	84 - 144		120	6	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	1.00			129	100	129	66 - 136		133	9	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	2.00			122	100	122	56 - 172		95	25	20	*	MB-1	LCS-1	LCD-1
9. t-Butanol	U	5.00			898	1,000	90	25 - 157		112	22	20	*	MB-1	LCS-1	LCD-1
10. 2-Butanone	U	5.00			86.4	100	86	28 - 176		96	11	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	1.00			135	100	135	83 - 149		126	7	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	1.00			119	100	119	61 - 143		110	8	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	1.00			122	100	122	70 - 139		114	7	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	0.500			115	100	115	27 - 166		99	15	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	1.00			115	100	115	70 - 140		102	12	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	1.00			98.9	100	99	88 - 126		93	6	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	2.00			166	100	166	33 - 172		155	7	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	1.00			112	100	112	66 - 138		103	8	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	1.00			115	100	115	45 - 153		103	11	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	0.864			117	100	117	75 - 137		110	6	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	1.00			117	100	117	79 - 137		112	4	20		MB-1	LCS-1	LCD-1
22. Cyclohexane	U	0.973			125	100	125	42 - 156		114	9	20		MB-1	LCS-1	LCD-1
23. Dibromochloromethane	U	1.00			125	100	125	83 - 127		122	2	20		MB-1	LCS-1	LCD-1
24. 1,2-Dibromo-3-chloropropane (SIM)	U	1.00			140	100	140	66 - 134	*	157	11	20		MB-1	LCS-1	LCD-1
25. Dibromomethane	U	1.00			104	100	104	67 - 148		104	0	20		MB-1	LCS-1	LCD-1
26. 1,2-Dichlorobenzene	U	1.00			112	100	112	71 - 154		108	4	20		MB-1	LCS-1	LCD-1
27. 1,3-Dichlorobenzene	U	1.00			112	100	112	74 - 156		106	6	20		MB-1	LCS-1	LCD-1
28. 1,4-Dichlorobenzene	U	1.00			99.3	100	99	89 - 121		94	5	20		MB-1	LCS-1	LCD-1
29. trans-1,4-Dichloro-2-butene (SIM)	U	1.00			142	100	142	47 - 164		146	3	20		MB-1	LCS-1	LCD-1
30. Dichlorodifluoromethane	U	1.33			118	100	118	44 - 188		106	11	20		MB-1	LCS-1	LCD-1
31. 1,1-Dichloroethane	U	1.00			100	100	100	89 - 145		93	7	20		MB-1	LCS-1	LCD-1
32. 1,2-Dichloroethane	U	0.820			104	100	104	68 - 143		99	5	20		MB-1	LCS-1	LCD-1
33. 1,1-Dichloroethene	U	1.00			119	100	119	56 - 163		103	14	20		MB-1	LCS-1	LCD-1
34. cis-1,2-Dichloroethene	U	1.00			109	100	109	54 - 161		101	8	20		MB-1	LCS-1	LCD-1
35. trans-1,2-Dichloroethene	U	1.00			108	100	108	56 - 153		98	10	20		MB-1	LCS-1	LCD-1
36. 1,2-Dichloropropane	U	1.00			104	100	104	66 - 135		98	6	20		MB-1	LCS-1	LCD-1
37. 1,3-Dichloropropane	U	1.00			111	100	111	75 - 136		109	2	20		MB-1	LCS-1	LCD-1
38. 2,2-Dichloropropane	U	1.00			90.1	100	90	53 - 176		78	14	20		MB-1	LCS-1	LCD-1
39. 1,1-Dichloropropene	U	1.00			105	100	105	82 - 152		95	10	20		MB-1	LCS-1	LCD-1
40. cis-1,3-Dichloropropene	U	1.00			118	100	118	81 - 144		111	6	20		MB-1	LCS-1	LCD-1
41. trans-1,3-Dichloropropene	U	1.00			122	100	122	68 - 150		116	5	20		MB-1	LCS-1	LCD-1
42. Diethyl Ether	U	1.00			120	100	120	37 - 153		112	7	20		MB-1	LCS-1	LCD-1
43. Diisopropyl Ether	U	1.00			90.6	100	91	42 - 156		84	8	20		MB-1	LCS-1	LCD-1
44. ETBE	U	1.00			83.5	100	83	49 - 150		81	2	20		MB-1	LCS-1	LCD-1
45. Ethylbenzene	U	1.00			112	100	112	88 - 131		105	6	20		MB-1	LCS-1	LCD-1
46. Ethylene Dibromide	U	0.863			103	100	103	86 - 131		104	1	20		MB-1	LCS-1	LCD-1
47. Hexachlorobutadiene	U	2.50			115	100	115	72 - 144		108	6	20		MB-1	LCS-1	LCD-1
48. Hexachloroethane	U	1.00			125	100	125	37 - 171		117	7	20		MB-1	LCS-1	LCD-1
49. 2-Hexanone	U	2.00			104	100	104	37 - 183		120	14	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VH13H30B
Page: 2 of 3
Date: 09/03/13

Preparation Batch: VH13H30B Preparation Date: 08/30/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%		%	%	%				
Parameter	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%		%	%	%				
50. Isopropylbenzene	U	0.852		117	100	117	89 - 148		109	7	20		MB-1	LCS-1	LCD-1
51. 4-Isopropyltoluene	U	0.834		128	100	128	86 - 142		119	7	20		MB-1	LCS-1	LCD-1
52. Methyl iodide	U	0.540		113	100	113	38 - 159		96	16	20		MB-1	LCS-1	LCD-1
53. Methylene Chloride	U	1.00		94.9	100	95	36 - 149		87	9	20		MB-1	LCS-1	LCD-1
54. 2-Methylnaphthalene	4.78	1.00	*	105	100	105	49 - 157		122	15	20		MB-1	LCS-1	LCD-1
55. 4-Methyl-2-pentanone	U	1.05		131	100	131	60 - 152		147	12	20		MB-1	LCS-1	LCD-1
56. MTBE	U	2.00		72.1	100	72	54 - 144		71	1	20		MB-1	LCS-1	LCD-1
57. Naphthalene	U	1.00		130	100	130	64 - 156		138	6	20		MB-1	LCS-1	LCD-1
58. n-Propylbenzene	U	1.00		118	100	118	64 - 146		110	7	20		MB-1	LCS-1	LCD-1
59. Styrene	U	1.00		117	100	117	79 - 129		112	4	20		MB-1	LCS-1	LCD-1
60. TAME	U	1.00		63.3	100	63	66 - 133	*	62	2	20		MB-1	LCS-1	LCD-1
61. 1,1,1,2-Tetrachloroethane	U	1.00		116	100	115	84 - 135		110	4	20		MB-1	LCS-1	LCD-1
62. 1,1,2,2-Tetrachloroethane	U	1.00		117	100	117	69 - 141		124	6	20		MB-1	LCS-1	LCD-1
63. Tetrachloroethene	U	1.00		110	100	110	81 - 145		103	7	20		MB-1	LCS-1	LCD-1
64. Tetrahydrofuran	U	5.00		85.9	100	86	33 - 148		96	11	20		MB-1	LCS-1	LCD-1
65. Toluene	U	1.00		107	100	107	77 - 135		99	8	20		MB-1	LCS-1	LCD-1
66. 1,2,3-Trichlorobenzene	U	1.00		117	100	117	74 - 147		116	1	20		MB-1	LCS-1	LCD-1
67. 1,2,4-Trichlorobenzene	U	1.00		118	100	118	73 - 152		115	3	20		MB-1	LCS-1	LCD-1
68. 1,1,1-Trichloroethane	U	1.00		101	100	101	69 - 143		91	10	20		MB-1	LCS-1	LCD-1
69. 1,1,2-Trichloroethane	U	1.00		100	100	100	84 - 122		99	1	20		MB-1	LCS-1	LCD-1
70. Trichloroethene	U	1.00		108	100	108	72 - 143		102	6	20		MB-1	LCS-1	LCD-1
71. Trichlorofluoromethane	U	1.00		152	100	152	41 - 181		128	17	20		MB-1	LCS-1	LCD-1
72. 1,2,3-Trichloropropane	U	1.00		99.7	100	100	82 - 127		106	6	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trimethylbenzene	U	1.00		114	100	114	80 - 133		107	6	20		MB-1	LCS-1	LCD-1
74. 1,2,4-Trimethylbenzene	U	1.00		120	100	120	81 - 140		113	6	20		MB-1	LCS-1	LCD-1
75. 1,3,5-Trimethylbenzene	U	1.00		118	100	118	82 - 140		110	7	20		MB-1	LCS-1	LCD-1
76. Vinyl Chloride	U	1.00		114	100	114	40 - 174		88	26	20	*	MB-1	LCS-1	LCD-1
77. m,p-Xylene	U	1.00		230	200	115	106 - 133		108	6	20		MB-1	LCS-1	LCD-1
78. o-Xylene	U	1.00		120	100	120	85 - 131		113	6	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VH13H30B
Page: 3 of 3
Date: 09/03/13

Preparation Batch: VH13H30B

Preparation Date: 08/30/13

Parameter	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL		Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L			µg/L	µg/L	%	%		%	%	%				
System Monitoring Compounds (Surrogates):																
1. Dibromofluoromethane(S)	98.6	100	99		99.4	100	99	67 - 130		98	1	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	108	100	108		106	100	106	58 - 133		106	0	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	109	100	109		109	100	109	77 - 114		110	1	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	109	100	109		107	100	107	65 - 115		108	1	20		MB-1	LCS-1	LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VH13H30B 08/31/13 04:08
LCS-1 VH13H30B 08/31/13 02:47
LCD-1 VH13H30B 08/31/13 03:14

Exception Summary:

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

Report Generated By:

Douglas Holmes
Vice President
Tuesday, September 03, 2013
3:59:53 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H30A
Page: 1 of 3
Date: 09/03/13

Preparation Batch: VI13H30A

Preparation Date: 08/30/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
Parameter	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	10.0		77.0	100	77	19 - 185		85	10	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	2.00		98.5	100	97	43 - 155		107	10	20		MB-1	LCS-1	LCD-1
3. Benzene	U	1.00		95.5	100	96	69 - 137		100	4	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	1.00		93.9	100	94	65 - 140		96	2	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	1.00		87.8	100	88	33 - 141		90	2	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	1.00		102	100	102	84 - 144		105	3	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	1.00		72.6	100	73	66 - 136		80	9	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	5.00		150	100	150	56 - 172		146	3	20		MB-1	LCS-1	LCD-1
9. t-Butanol	U	10.0		484	1,000	46	25 - 157		63	31	20		MB-1	LCS-1	LCD-1
10. 2-Butanone	U	5.00		83.1	100	83	28 - 176		97	16	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	1.00		103	100	103	63 - 149		107	4	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	1.00		99.5	100	99	61 - 143		104	5	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	1.00		100	100	100	70 - 139		105	5	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	1.00		90.4	100	90	27 - 166		95	5	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	1.00		106	100	106	70 - 140		111	5	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	1.00		98.0	100	98	88 - 126		101	3	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	5.00		81.4	100	81	33 - 172		86	6	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	1.00		92.1	100	92	66 - 138		97	5	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	2.00		90.9	100	91	45 - 153		107	16	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	1.00		96.5	100	96	75 - 137		101	5	20		MB-1	LCS-1	LCD-1
21. Cyclohexane	U	1.00		91.3	100	91	42 - 156		97	6	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	1.00		111	100	111	83 - 127		115	4	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane (SIM)	U	1.00		94.2	100	94	66 - 134		108	14	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	1.00		105	100	105	67 - 148		109	4	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	1.00		103	100	103	71 - 154		109	6	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	1.00		99.4	100	99	74 - 156		103	4	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	1.00		95.9	100	96	69 - 121		101	5	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene (SIM)	U	1.00		105	100	105	47 - 164		115	9	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	5.00		102	100	102	44 - 188		108	4	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	1.00		92.1	100	92	59 - 145		98	6	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	1.00		96.6	100	97	68 - 143		99	2	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	1.00		86.8	100	87	56 - 163		91	4	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	1.00		93.0	100	93	64 - 161		97	4	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	1.00		90.1	100	90	56 - 153		94	4	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	1.00		98.2	100	98	66 - 135		103	5	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	1.00		102	100	102	75 - 138		107	5	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	1.00		105	100	105	53 - 176		110	5	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	1.00		94.2	100	94	62 - 152		101	7	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	1.00		107	100	107	81 - 144		110	3	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	1.00		108	100	108	66 - 150		112	4	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	2.00		91.8	100	92	37 - 153		96	4	20		MB-1	LCS-1	LCD-1
42. Diisopropyl Ether	U	1.00		96.3	100	96	42 - 156		101	5	20		MB-1	LCS-1	LCD-1
43. ETBE	U	1.00		95.0	100	95	49 - 150		99	4	20		MB-1	LCS-1	LCD-1
44. Ethylbenzene	U	1.00		100	100	100	88 - 131		104	4	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide	U	1.00		102	100	102	86 - 131		107	5	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	5.00		119	100	119	72 - 144		122	2	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	1.00		104	100	104	37 - 171		109	5	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	5.00		89.0	100	89	37 - 183		104	16	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	1.00		101	100	101	89 - 148		105	4	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H30A
Page: 2 of 3
Date: 09/03/13

Preparation Batch: VI13H30A Preparation Date: 08/30/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)				Run Code		
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%	%	%	%				
Parameter	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
µg/L	µg/L			µg/L	µg/L	%	%	%	%	%				
50. 4-Isopropyltoluene	U	1.00		106	100	106	86 - 142	110	4	20		MB-1	LCS-1	LCD-1
51. Methyl Iodide	U	1.00		107	100	107	38 - 159	109	2	20		MB-1	LCS-1	LCD-1
52. Methylene Chloride	U	5.00		88.6	100	89	38 - 149	92	3	20		MB-1	LCS-1	LCD-1
53. 2-Methylnaphthalene	U	5.00		76.5	100	76	49 - 157	103	30	20		MB-1	LCS-1	LCD-1
54. 4-Methyl-2-pentanone	U	5.00		92.2	100	92	60 - 152	104	12	20		MB-1	LCS-1	LCD-1
55. MTBE	U	2.00		94.6	100	95	54 - 144	101	6	20		MB-1	LCS-1	LCD-1
56. Naphthalene	U	5.00		99.3	100	99	64 - 158	113	13	20		MB-1	LCS-1	LCD-1
57. n-Propylbenzene	U	1.00		99.0	100	99	64 - 146	103	4	20		MB-1	LCS-1	LCD-1
58. Styrene	U	1.00		89.7	100	90	79 - 129	97	7	20		MB-1	LCS-1	LCD-1
59. TAME	U	1.00		98.8	100	99	66 - 133	103	4	20		MB-1	LCS-1	LCD-1
60. 1,1,1,2-Tetrachloroethane	U	1.00		105	100	105	84 - 135	107	2	20		MB-1	LCS-1	LCD-1
61. 1,1,2,2-Tetrachloroethane	U	1.00		98.0	100	98	69 - 141	108	10	20		MB-1	LCS-1	LCD-1
62. Tetrachloroethene	U	1.00		101	100	101	81 - 145	104	3	20		MB-1	LCS-1	LCD-1
63. Tetrahydrofuran	U	5.00		79.3	100	79	33 - 148	94	17	20		MB-1	LCS-1	LCD-1
64. Toluene	U	1.00		95.8	100	96	77 - 135	99	3	20		MB-1	LCS-1	LCD-1
65. 1,2,3-Trichlorobenzene	U	5.00		106	100	106	74 - 147	118	9	20		MB-1	LCS-1	LCD-1
66. 1,2,4-Trichlorobenzene	U	5.00		111	100	111	73 - 152	117	5	20		MB-1	LCS-1	LCD-1
67. 1,1,1-Trichloroethane	U	1.00		93.1	100	93	69 - 143	99	6	20		MB-1	LCS-1	LCD-1
68. 1,1,2-Trichloroethane	U	1.00		103	100	103	84 - 122	107	4	20		MB-1	LCS-1	LCD-1
69. Trichloroethene	U	1.00		100	100	100	72 - 143	105	5	20		MB-1	LCS-1	LCD-1
70. Trichlorofluoromethane	U	1.00		86.3	100	86	41 - 181	91	6	20		MB-1	LCS-1	LCD-1
71. 1,2,3-Trichloropropane	U	1.00		93.6	100	94	82 - 127	103	9	20		MB-1	LCS-1	LCD-1
72. 1,2,3-Trimethylbenzene	U	1.00		99.1	100	99	80 - 133	105	6	20		MB-1	LCS-1	LCD-1
73. 1,2,4-Trimethylbenzene	U	1.00		103	100	103	81 - 140	108	5	20		MB-1	LCS-1	LCD-1
74. 1,3,5-Trimethylbenzene	U	1.00		103	100	103	82 - 140	107	4	20		MB-1	LCS-1	LCD-1
75. Vinyl Chloride	U	1.00		88.3	100	88	40 - 174	92	4	20		MB-1	LCS-1	LCD-1
76. m&p-Xylene	U	1.00		200	200	100	86 - 133	105	5	20		MB-1	LCS-1	LCD-1
77. o-Xylene	U	1.00		92.5	100	92	85 - 131	95	3	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H30A
Page: 3 of 3
Date: 09/03/13

Preparation Batch: VI13H30A

Preparation Date: 08/30/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code		
	Result	PQL		Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	MB	LCS	LCD
	µg/L	µg/L	Q	µg/L	µg/L	%	%	Q	%	%	%	Q	

System Monitoring Compounds (Surrogates):	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code		
	Result	Spike	Rec.	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	MB	LCS	LCD
	µg/L	µg/L	%	µg/L	µg/L	%	%	Q	%	%	%	Q	
1. Dibromofluoromethane(S)	47.6	50.0	95	47.6	50.0	96	67 - 130	95	1	20	MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	47.7	50.0	95	46.0	50.0	92	58 - 133	92	0	20	MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	48.1	50.0	96	47.6	50.0	95	77 - 114	96	1	20	MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	47.2	50.0	94	48.0	50.0	96	65 - 115	96	0	20	MB-1	LCS-1	LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VI13H30A 08/30/13 12:22
LCS-1 VI13H30A 08/30/13 11:02
LCD-1 VI13H30A 08/30/13 11:29

Exception Summary:

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

Report Generated By:

Jeffrey LeClair

Jeffrey LeClair
Chemist, Volatile Organics
Tuesday, September 03, 2013
9:53:16 AM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VH13H30A
Page: 1 of 3
Date: 09/03/13

DN
09-03-13

Preparation Batch: VH13H30A

Preparation Date: 08/30/13

Parameter	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL		Q	Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL		MB	LCS	LCD
	µg/L	µg/L			µg/L	µg/L	%	%	Q	%	%	%	Q			
Parameter	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL		Q	Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL		MB	LCS	LCD
	µg/L	µg/L			µg/L	µg/L	%	%	Q	%	%	%	Q			
1. Acetone	U	10.0			110	100	110	19 - 165		111	1	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	1.00			125	100	125	43 - 155		123	2	20		MB-1	LCS-1	LCD-1
3. Benzene	U	1.00			107	100	107	89 - 137		103	4	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	1.00			108	100	108	65 - 140		99	9	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	1.00			98.5	100	98	33 - 141		94	4	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	1.00			129	100	129	84 - 144		120	7	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	1.00			135	100	135	66 - 136		125	8	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	2.00			113	100	113	56 - 172		96	16	20		MB-1	LCS-1	LCD-1
9. t-Butanol	U	5.00			849	1,000	85	25 - 157		82	4	20		MB-1	LCS-1	LCD-1
10. 2-Butanone	U	5.00			86.8	100	87	28 - 176		86	1	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	1.00			140	100	140	63 - 149		129	8	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	1.00			116	100	116	61 - 143		105	10	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	1.00			121	100	121	70 - 139		114	6	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	0.500			116	100	116	27 - 166		113	3	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	1.00			115	100	115	70 - 140		109	5	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	1.00			99.6	100	100	88 - 126		93	7	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	2.00			176	100	176	33 - 172	*	181	3	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	1.00			113	100	113	66 - 138		106	6	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	1.00			112	100	112	45 - 153		107	5	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	0.864			118	100	118	75 - 137		109	8	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	1.00			118	100	118	79 - 137		111	6	20		MB-1	LCS-1	LCD-1
22. Cyclohexane	U	0.973			122	100	122	42 - 156		118	3	20		MB-1	LCS-1	LCD-1
23. Dibromochloromethane	U	1.00			127	100	127	83 - 127		118	7	20		MB-1	LCS-1	LCD-1
24. 1,2-Dibromo-3-chloropropane (SIM)	U	1.00			140	100	140	66 - 134	*	133	5	20		MB-1	LCS-1	LCD-1
25. Dibromomethane	U	1.00			105	100	105	67 - 148		98	7	20		MB-1	LCS-1	LCD-1
26. 1,2-Dichlorobenzene	U	1.00			113	100	113	71 - 154		105	7	20		MB-1	LCS-1	LCD-1
27. 1,3-Dichlorobenzene	U	1.00			113	100	113	74 - 158		106	6	20		MB-1	LCS-1	LCD-1
28. 1,4-Dichlorobenzene	U	1.00			100	100	100	89 - 121		94	6	20		MB-1	LCS-1	LCD-1
29. trans-1,4-Dichloro-2-butene (SIM)	U	1.00			180	100	180	47 - 164		141	6	20		MB-1	LCS-1	LCD-1
30. Dichlorodifluoromethane	U	1.33			109	100	109	44 - 188		103	6	20		MB-1	LCS-1	LCD-1
31. 1,1-Dichloroethane	U	1.00			101	100	101	89 - 145		94	7	20		MB-1	LCS-1	LCD-1
32. 1,2-Dichloroethane	U	0.820			107	100	107	68 - 143		100	7	20		MB-1	LCS-1	LCD-1
33. 1,1-Dichloroethene	U	1.00			118	100	118	85 - 163		116	2	20		MB-1	LCS-1	LCD-1
34. cis-1,2-Dichloroethene	U	1.00			109	100	109	54 - 161		102	7	20		MB-1	LCS-1	LCD-1
35. trans-1,2-Dichloroethene	U	1.00			108	100	108	58 - 153		101	7	20		MB-1	LCS-1	LCD-1
36. 1,2-Dichloropropane	U	1.00			104	100	104	66 - 135		96	8	20		MB-1	LCS-1	LCD-1
37. 1,3-Dichloropropane	U	1.00			112	100	112	75 - 138		104	7	20		MB-1	LCS-1	LCD-1
38. 2,2-Dichloropropane	U	1.00			116	100	116	53 - 176		103	12	20		MB-1	LCS-1	LCD-1
39. 1,1-Dichloropropene	U	1.00			105	100	105	62 - 152		98	7	20		MB-1	LCS-1	LCD-1
40. cis-1,3-Dichloropropene	U	1.00			124	100	124	81 - 144		113	9	20		MB-1	LCS-1	LCD-1
41. trans-1,3-Dichloropropene	U	1.00			130	100	130	66 - 150		121	7	20		MB-1	LCS-1	LCD-1
42. Diethyl Ether	U	1.00			122	100	122	37 - 153		120	2	20		MB-1	LCS-1	LCD-1
43. Diisopropyl Ether	U	1.00			89.5	100	90	42 - 156		82	9	20		MB-1	LCS-1	LCD-1
44. ETBE	U	1.00			75.6	100	76	49 - 150		70	8	20		MB-1	LCS-1	LCD-1
45. Ethylbenzene	U	1.00			113	100	113	65 - 131		104	8	20		MB-1	LCS-1	LCD-1
46. Ethylene Dibromide	U	0.863			104	100	103	86 - 131		96	7	20		MB-1	LCS-1	LCD-1
47. Hexachlorobutadiene	U	2.50			122	100	122	72 - 144		113	8	20		MB-1	LCS-1	LCD-1
48. Hexachloroethene	U	1.00			130	100	130	37 - 171		120	8	20		MB-1	LCS-1	LCD-1
49. 2-Hexanone	U	2.00			106	100	106	37 - 183		101	5	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VH13H30A
Page: 2 of 3
Date: 09/03/13

Preparation Batch: VH13H30A Preparation Date: 08/30/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
Parameter	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
50. Isopropylbenzene	U	0.852		117	100	117	89 - 148		108	8	20		MB-1	LCS-1	LCD-1
51. 4-Isopropyltoluene	U	0.634		129	100	129	86 - 142		119	8	20		MB-1	LCS-1	LCD-1
52. Methyl Iodide	U	0.540		109	100	109	38 - 159		102	7	20		MB-1	LCS-1	LCD-1
53. Methylene Chloride	U	1.00		95.3	100	95	38 - 149		91	4	20		MB-1	LCS-1	LCD-1
54. 2-Methylnaphthalene	4.80	1.00	*	110	100	110	49 - 157		105	5	20		MB-1	LCS-1	LCD-1
55. 4-Methyl-2-pentanone	U	1.05		133	100	133	60 - 152		128	4	20		MB-1	LCS-1	LCD-1
56. MTBE	U	2.00		66.4	100	66	54 - 144		62	6	20		MB-1	LCS-1	LCD-1
57. Naphthalene	U	1.00		131	100	131	64 - 158		123	6	20		MB-1	LCS-1	LCD-1
58. n-Propylbenzene	U	1.00		119	100	119	64 - 146		111	7	20		MB-1	LCS-1	LCD-1
59. Styrene	U	1.00		117	100	117	79 - 129		109	7	20		MB-1	LCS-1	LCD-1
60. TAME	U	1.00		57.8	100	58	66 - 133	*	54	7	20		MB-1	LCS-1	LCD-1
61. 1,1,1,2-Tetrachloroethane	U	1.00		118	100	118	84 - 135		109	8	20		MB-1	LCS-1	LCD-1
62. 1,1,2,2-Tetrachloroethane	U	1.00		119	100	119	69 - 141		111	7	20		MB-1	LCS-1	LCD-1
63. Tetrachloroethene	U	1.00		111	100	111	81 - 145		103	7	20		MB-1	LCS-1	LCD-1
64. Tetrahydrofuran	U	5.00		87.0	100	87	33 - 148		83	5	20		MB-1	LCS-1	LCD-1
65. Toluene	U	1.00		107	100	107	77 - 135		99	8	20		MB-1	LCS-1	LCD-1
66. 1,2,3-Trichlorobenzene	U	1.00		119	100	119	74 - 147		112	6	20		MB-1	LCS-1	LCD-1
67. 1,2,4-Trichlorobenzene	U	1.00		122	100	122	73 - 152		113	8	20		MB-1	LCS-1	LCD-1
68. 1,1,1-Trichloroethane	U	1.00		102	100	102	69 - 143		94	8	20		MB-1	LCS-1	LCD-1
69. 1,1,2-Trichloroethane	U	1.00		101	100	101	84 - 122		91	10	20		MB-1	LCS-1	LCD-1
70. Trichloroethene	U	1.00		108	100	108	72 - 143		100	8	20		MB-1	LCS-1	LCD-1
71. Trichlorobromomethane	U	1.00		150	100	150	41 - 181		145	3	20		MB-1	LCS-1	LCD-1
72. 1,2,3-Trichloropropane	U	1.00		103	100	102	82 - 127		98	4	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trimethylbenzene	U	1.00		115	100	115	80 - 133		106	8	20		MB-1	LCS-1	LCD-1
74. 1,2,4-Trimethylbenzene	U	1.00		122	100	122	81 - 140		111	9	20		MB-1	LCS-1	LCD-1
75. 1,3,5-Trimethylbenzene	U	1.00		118	100	118	82 - 140		110	7	20		MB-1	LCS-1	LCD-1
76. Vinyl Chloride	U	1.00		97.2	100	97	40 - 174		91	6	20		MB-1	LCS-1	LCD-1
77. m,p-Xylene	U	1.00		231	200	118	85 - 133		108	7	20		MB-1	LCS-1	LCD-1
78. o-Xylene	U	1.00		121	100	121	85 - 131		112	8	20		MB-1	LCS-1	LCD-1

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Aqueous

Batch ID: VH13H30A
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Preparation Batch: VH13H30A

Preparation Date: 08/30/13

Parameter	Method Blank (MB)				Laboratory Control Sample (LCS)				LCS Duplicate (LCD)				Run Code		
	Result	PQL		Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L			µg/L	µg/L	%	%	%	%	%				
System Monitoring Compounds (Surrogates):															
	Result	Spike	Rec.	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L	%		µg/L	µg/L	%	%	%	%	%				
1. Dibromofluoromethane(S)	108	100	108		101	100	100	67 - 130	102	2	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	110	100	110		110	100	110	58 - 133	109	1	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	109	100	109		109	100	109	77 - 114	108	1	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	111	100	111		107	100	107	65 - 115	106	1	20		MB-1	LCS-1	LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VH13H30A 08/30/13 15:07
LCS-1 VH13H30A 08/30/13 13:00
LCD-1 VH13H30A 08/30/13 14:13

Exception Summary:

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

Report Generated By:

Douglas Holmes

Vice President

Tuesday, September 03, 2013

3:41:08 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: VJ13H28A
Page: 1 of 3
Date: 08/29/13

Preparation Batch: VJ13H28A

Preparation Date: 08/28/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	500		4,087	5,000	82	40 - 207		81	1	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	50.0		5,192	5,000	104	45 - 180		102	2	20		MB-1	LCS-1	LCD-1
3. Benzene	U	25.0		4,853	5,000	97	63 - 141		96	1	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	100		5,041	5,000	101	70 - 144		104	3	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	50.0		4,843	5,000	97	42 - 161		96	1	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	25.0		5,131	5,000	103	60 - 150		104	1	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	100		4,764	5,000	95	50 - 117		95	0	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	100		5,092	5,000	102	58 - 217		104	2	20		MB-1	LCS-1	LCD-1
9. t-Butanol	U	1,000		50,412	50,000	101	42 - 156		89	13	20		MB-1	LCS-1	LCD-1
10. 2-Butanone	U	500		5,149	5,000	103	42 - 193		102	1	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	25.0		5,723	5,000	114	65 - 151		116	2	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	50.0		5,384	5,000	108	68 - 147		109	1	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	25.0		5,385	5,000	108	68 - 140		110	2	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	50.0		4,706	5,000	94	36 - 143		91	3	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	50.0		6,110	5,000	122	50 - 159		121	1	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	50.0		4,792	5,000	96	72 - 135		94	2	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	250		5,213	5,000	104	16 - 207		103	1	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	25.0		4,965	5,000	99	47 - 159		98	1	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	100		5,139	5,000	103	14 - 185		96	7	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	50.0		4,979	5,000	100	73 - 141		104	4	20		MB-1	LCS-1	LCD-1
21. Cyclohexane	U	250		5,192	5,000	104	52 - 195		101	3	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	100		5,047	5,000	101	59 - 130		101	0	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane (SIM)	U	25.0		4,919	5,000	98	34 - 164		103	5	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	250		4,283	5,000	86	66 - 134		85	1	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	25.0		4,885	5,000	98	76 - 128		99	1	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	25.0		4,825	5,000	97	72 - 136		98	1	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	50.0		4,595	5,000	92	74 - 127		95	3	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene (SIM)	U	25.0		6,428	5,000	129	56 - 153		134	4	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	100		5,336	5,000	107	10 - 207		104	3	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	50.0		5,040	5,000	101	42 - 157		99	2	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	50.0		5,492	5,000	110	56 - 146		109	1	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	50.0		5,371	5,000	107	34 - 165		103	4	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	25.0		5,147	5,000	103	43 - 170		101	2	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	25.0		5,227	5,000	105	49 - 162		103	2	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	50.0		4,964	5,000	99	62 - 151		99	0	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	25.0		5,123	5,000	102	77 - 132		101	1	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	25.0		7,232	5,000	145	52 - 169		138	5	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	50.0		5,177	5,000	104	52 - 153		101	3	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	25.0		5,469	5,000	109	45 - 156		108	1	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	25.0		5,467	5,000	109	40 - 157		112	3	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	50.0		4,823	5,000	96	30 - 167		97	1	20		MB-1	LCS-1	LCD-1
42. Diisopropyl Ether	U	25.0		5,397	5,000	108	38 - 167		107	1	20		MB-1	LCS-1	LCD-1
43. ETBE	U	50.0		5,504	5,000	110	40 - 159		107	3	20		MB-1	LCS-1	LCD-1
44. Ethylbenzene	U	50.0		5,178	5,000	104	76 - 137		102	2	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide	U	50.0		4,771	5,000	95	71 - 133		95	0	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	250		5,058	5,000	101	79 - 142		102	1	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	50.0		5,308	5,000	106	42 - 151		107	1	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	250		5,747	5,000	115	29 - 211		114	1	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	250		5,050	5,000	101	68 - 153		100	1	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: VJ13H28A
Page: 2 of 3
Date: 08/29/13

Preparation Batch: VJ13H28A Preparation Date: 08/28/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code		
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	MB	LCS	LCD
	µg/kg	µg/kg		µg/kg	µg/kg	%	%	%	%	%			
Parameter	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	MB	LCS	LCD
	µg/kg	µg/kg		µg/kg	µg/kg	%	%	%	%	%			
50. 4-Isopropyltoluene	U	100		5,370	5,000	107	75 - 139	109	2	20	MB-1	LCS-1	LCD-1
51. Methyl Iodide	U	100		4,833	5,000	97	17 - 150	102	5	20	MB-1	LCS-1	LCD-1
52. Methylene Chloride	U	50.0		4,949	5,000	99	38 - 180	96	3	20	MB-1	LCS-1	LCD-1
53. 2-Methylnaphthalene	U	250		4,277	5,000	86	42 - 202	88	2	20	MB-1	LCS-1	LCD-1
54. 4-Methyl-2-pentanone	U	250		5,176	5,000	104	55 - 161	105	1	20	MB-1	LCS-1	LCD-1
55. MTBE	U	250		5,180	5,000	104	58 - 147	104	0	20	MB-1	LCS-1	LCD-1
56. Naphthalene	U	250		5,259	5,000	105	45 - 180	109	4	20	MB-1	LCS-1	LCD-1
57. n-Propylbenzene	U	50.0		5,226	5,000	105	71 - 146	107	2	20	MB-1	LCS-1	LCD-1
58. Styrene	U	25.0		5,337	5,000	107	72 - 138	104	3	20	MB-1	LCS-1	LCD-1
59. TAME	U	50.0		5,308	5,000	106	51 - 135	106	0	20	MB-1	LCS-1	LCD-1
60. 1,1,1,2-Tetrachloroethane	U	50.0		4,945	5,000	99	61 - 131	98	1	20	MB-1	LCS-1	LCD-1
61. 1,1,2,2-Tetrachloroethane	U	50.0		4,350	5,000	87	72 - 145	101	15	20	MB-1	LCS-1	LCD-1
62. Tetrachloroethene	U	50.0		4,481	5,000	90	50 - 151	86	5	20	MB-1	LCS-1	LCD-1
63. Tetrahydrofuran	U	250		4,697	5,000	94	28 - 169	95	1	20	MB-1	LCS-1	LCD-1
64. Toluene	U	25.0		4,879	5,000	98	65 - 144	97	1	20	MB-1	LCS-1	LCD-1
65. 1,2,3-Trichlorobenzene	U	100		5,073	5,000	101	50 - 161	103	2	20	MB-1	LCS-1	LCD-1
66. 1,2,4-Trichlorobenzene	U	250		5,107	5,000	102	54 - 152	104	2	20	MB-1	LCS-1	LCD-1
67. 1,1,1-Trichloroethane	U	50.0		5,189	5,000	104	46 - 156	101	3	20	MB-1	LCS-1	LCD-1
68. 1,1,2-Trichloroethane	U	50.0		4,789	5,000	96	80 - 129	94	2	20	MB-1	LCS-1	LCD-1
69. Trichloroethene	U	50.0		4,717	5,000	94	65 - 144	93	1	20	MB-1	LCS-1	LCD-1
70. Trichlorofluoromethane	U	50.0		5,718	5,000	114	31 - 226	125	9	20	MB-1	LCS-1	LCD-1
71. 1,2,3-Trichloropropane	U	25.0		5,349	5,000	107	74 - 139	102	5	20	MB-1	LCS-1	LCD-1
72. 1,2,3-Trimethylbenzene	U	100		5,296	5,000	106	77 - 133	108	2	20	MB-1	LCS-1	LCD-1
73. 1,2,4-Trimethylbenzene	U	100		5,320	5,000	106	71 - 139	109	3	20	MB-1	LCS-1	LCD-1
74. 1,3,5-Trimethylbenzene	U	100		5,352	5,000	107	71 - 138	109	2	20	MB-1	LCS-1	LCD-1
75. Vinyl Chloride	U	25.0		5,109	5,000	102	25 - 189	100	2	20	MB-1	LCS-1	LCD-1
76. m&p-Xylene	U	100		10,807	10,000	108	69 - 134	105	3	20	MB-1	LCS-1	LCD-1
77. o-Xylene	U	50.0		5,424	5,000	108	69 - 134	105	3	20	MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: VJ13H28A
Page: 3 of 3
Date: 08/29/13

Preparation Batch: VJ13H28A

Preparation Date: 08/28/13

Parameter	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL			Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL				
	µg/kg	µg/kg	Q		µg/kg	µg/kg	%	%	Q	%	%	%	Q	MB	LCS	LCD
System Monitoring Compounds (Surrogates):	Method Blank (MB)				Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	Spike	Rec.		Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL				
	µg/kg	µg/kg	%	Q	µg/kg	µg/kg	%	%	Q	%	%	%	Q	MB	LCS	LCD
1. Dibromofluoromethane(S)	2,571	2,500	103		2,469	2,500	99	53 - 139		98	1	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	3,115	2,500	125		3,065	2,500	123	64 - 135		121	2	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	2,555	2,500	102		2,534	2,500	101	70 - 130		103	2	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	2,596	2,500	104		2,665	2,500	107	71 - 129		106	1	20		MB-1	LCS-1	LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VJ13H28A 08/28/13 11:57
LCS-1 VJ13H28A 08/28/13 09:47
LCD-1 VJ13H28A 08/28/13 10:13

Exception Summary:

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

Report Generated By:

Carline Dempsey

Carline Dempsey
Chemist, Volatile Organics
Thursday, August 29, 2013
2:17:24 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: VJ13H27A
Page: 1 of 3
Date: 08/28/13

Preparation Batch: VJ13H27A

Preparation Date: 08/27/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL		Result	Spike	Rec.	LCL	UCL	Rec.	RPD	UCL		MB	LCS	LCD
	µg/kg	µg/kg	Q	µg/kg	µg/kg	%	%	Q	%	%	%	Q			
Parameter	µg/kg	µg/kg	Q	µg/kg	µg/kg	%	%	Q	%	%	%	Q	MB	LCS	LCD
1. Acetone	U	500		4,214	5,000	84	40	207	71	17	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	50.0		5,142	5,000	103	45	180	97	6	20		MB-1	LCS-1	LCD-1
3. Benzene	U	25.0		4,647	5,000	93	63	141	95	2	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	100		5,065	5,000	101	70	144	106	5	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	50.0		4,710	5,000	94	42	161	95	1	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	25.0		4,958	5,000	99	60	150	103	4	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	100		4,726	5,000	95	50	117	95	0	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	100		4,521	5,000	90	58	217	97	7	20		MB-1	LCS-1	LCD-1
9. t-Butanol	U	1,000		58,488	50,000	113	42	156	92	20	20		MB-1	LCS-1	LCD-1
10. 2-Butanone	U	500		5,085	5,000	102	42	193	95	7	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	25.0		5,516	5,000	110	65	151	99	11	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	50.0		5,229	5,000	105	68	147	99	6	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	25.0		5,238	5,000	105	68	140	103	2	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	50.0		4,388	5,000	88	36	143	91	3	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	50.0		5,609	5,000	112	50	159	118	5	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	50.0		4,691	5,000	94	72	135	94	0	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	250		4,790	5,000	96	16	207	96	0	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	25.0		4,712	5,000	94	47	159	96	2	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	100		4,614	5,000	92	14	185	94	2	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	50.0		4,986	5,000	100	73	141	104	4	20		MB-1	LCS-1	LCD-1
21. Cyclohexane	U	250		4,745	5,000	95	52	195	98	3	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	100		5,095	5,000	102	59	130	101	1	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane (SIM)	U	25.0		5,235	5,000	105	34	164	103	2	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	250		4,361	5,000	87	66	134	89	2	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	25.0		5,011	5,000	100	76	128	100	0	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	25.0		4,839	5,000	97	72	136	97	0	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	50.0		4,627	5,000	93	74	127	94	1	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene (SIM)	U	25.0		6,605	5,000	132	56	153	136	3	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	100		4,932	5,000	99	10	207	97	2	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	50.0		4,753	5,000	95	42	157	96	1	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	50.0		5,283	5,000	106	56	146	108	2	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	50.0		4,977	5,000	100	34	165	102	2	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	25.0		4,895	5,000	98	43	170	100	2	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	25.0		4,853	5,000	97	49	162	100	3	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	50.0		4,847	5,000	97	62	151	97	0	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	25.0		5,163	5,000	103	77	132	103	0	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	25.0		6,613	5,000	132	52	169	135	2	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	50.0		4,772	5,000	95	52	153	99	4	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	25.0		5,367	5,000	107	45	156	108	1	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	25.0		5,581	5,000	112	40	157	112	0	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	50.0		4,831	5,000	97	30	167	96	1	20		MB-1	LCS-1	LCD-1
42. Diisopropyl Ether	U	25.0		5,223	5,000	104	38	167	105	1	20		MB-1	LCS-1	LCD-1
43. ETBE	U	50.0		5,291	5,000	106	40	159	108	2	20		MB-1	LCS-1	LCD-1
44. Ethylbenzene	U	50.0		4,911	5,000	98	76	137	99	1	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide	U	50.0		4,793	5,000	96	71	133	96	0	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	250		4,969	5,000	99	79	142	76	26	20	*	MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	50.0		5,056	5,000	101	42	151	98	3	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	250		5,637	5,000	113	29	211	112	1	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	250		4,798	5,000	96	68	153	95	1	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: VJ13H27A
Page: 2 of 3
Date: 08/28/13

Preparation Batch: VJ13H27A

Preparation Date: 08/27/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code		
	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Rec. %	RPD %	UCL %	MB	LCS	LCD
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Rec. %	RPD %	UCL %	MB	LCS	LCD
50. 4-Isopropyltoluene	U	100		5,269	5,000	105	75 - 139	97	8	20	MB-1	LCS-1	LCD-1
51. Methyl Iodide	U	100		4,691	5,000	94	17 - 150	97	3	20	MB-1	LCS-1	LCD-1
52. Methylene Chloride	U	50.0		4,658	5,000	93	38 - 180	94	1	20	MB-1	LCS-1	LCD-1
53. 2-Methylnaphthalene	U	250		4,692	5,000	94	42 - 202	77	20	20	MB-1	LCS-1	LCD-1
54. 4-Methyl-2-pentanone	U	250		5,241	5,000	105	55 - 161	106	1	20	MB-1	LCS-1	LCD-1
55. MTBE	U	250		5,164	5,000	103	58 - 147	104	1	20	MB-1	LCS-1	LCD-1
56. Naphthalene	U	250		5,558	5,000	111	45 - 180	101	9	20	MB-1	LCS-1	LCD-1
57. n-Propylbenzene	U	50.0		5,134	5,000	103	71 - 146	104	1	20	MB-1	LCS-1	LCD-1
58. Styrene	U	25.0		5,172	5,000	103	72 - 138	104	1	20	MB-1	LCS-1	LCD-1
59. TAME	U	50.0		5,359	5,000	107	51 - 135	108	1	20	MB-1	LCS-1	LCD-1
60. 1,1,1,2-Tetrachloroethane	U	50.0		4,795	5,000	96	61 - 131	99	3	20	MB-1	LCS-1	LCD-1
61. 1,1,2,2-Tetrachloroethane	U	50.0		5,041	5,000	101	72 - 145	104	3	20	MB-1	LCS-1	LCD-1
62. Tetrachloroethene	U	50.0		4,285	5,000	86	50 - 151	87	1	20	MB-1	LCS-1	LCD-1
63. Tetrahydrofuran	U	250		4,796	5,000	96	28 - 169	91	5	20	MB-1	LCS-1	LCD-1
64. Toluene	U	25.0		4,691	5,000	94	65 - 144	96	2	20	MB-1	LCS-1	LCD-1
65. 1,2,3-Trichlorobenzene	U	100		5,192	5,000	104	50 - 161	87	18	20	MB-1	LCS-1	LCD-1
66. 1,2,4-Trichlorobenzene	U	250		5,269	5,000	105	54 - 152	88	18	20	MB-1	LCS-1	LCD-1
67. 1,1,1-Trichloroethane	U	50.0		4,761	5,000	95	46 - 156	99	4	20	MB-1	LCS-1	LCD-1
68. 1,1,2-Trichloroethane	U	50.0		4,792	5,000	96	80 - 129	98	2	20	MB-1	LCS-1	LCD-1
69. Trichloroethene	U	50.0		4,578	5,000	92	65 - 144	93	1	20	MB-1	LCS-1	LCD-1
70. Trichlorofluoromethane	U	50.0		5,035	5,000	101	31 - 226	118	16	20	MB-1	LCS-1	LCD-1
71. 1,2,3-Trichloropropane	U	25.0		5,034	5,000	101	74 - 139	105	4	20	MB-1	LCS-1	LCD-1
72. 1,2,3-Trimethylbenzene	U	100		5,273	5,000	105	77 - 133	104	1	20	MB-1	LCS-1	LCD-1
73. 1,2,4-Trimethylbenzene	U	100		5,323	5,000	106	71 - 139	104	2	20	MB-1	LCS-1	LCD-1
74. 1,3,5-Trimethylbenzene	U	100		5,246	5,000	105	71 - 138	103	2	20	MB-1	LCS-1	LCD-1
75. Vinyl Chloride	U	25.0		4,756	5,000	95	25 - 189	95	0	20	MB-1	LCS-1	LCD-1
76. m&p-Xylene	U	100		10,188	10,000	102	69 - 134	103	1	20	MB-1	LCS-1	LCD-1
77. o-Xylene	U	50.0		5,131	5,000	103	69 - 134	103	0	20	MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soli/Solid

Batch ID: VJ13H27A
Page: 3 of 3
Date: 08/28/13

Preparation Batch: VJ13H27A

Preparation Date: 08/27/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)			Run Code			
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/kg	µg/kg		µg/kg	µg/kg	%	%		%	%	%				
System Monitoring Compounds (Surrogates):															
	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)			Run Code			
	Result	Spike	Rec.	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/kg	µg/kg	%	Q	µg/kg	µg/kg	%	%	Q	%	%	%	Q		
1. Dibromofluoromethane(S)	2,481	2,500	99		2,428	2,500	97	53 - 139		98	1	20		MB-1	LCS-1 LCD-1
2. 1,2-Dichloroethane-d4(S)	3,149	2,500	126		2,894	2,500	116	64 - 135		118	2	20		MB-1	LCS-1 LCD-1
3. Toluene-d8(S)	2,594	2,500	104		2,497	2,500	100	70 - 130		101	1	20		MB-1	LCS-1 LCD-1
4. 4-Bromofluorobenzene(S)	2,649	2,500	106		2,634	2,500	105	71 - 129		103	2	20		MB-1	LCS-1 LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VJ13H27A 08/27/13 17:10
LCS-1 VJ13H27A 08/27/13 15:01
LCD-1 VJ13H27A 08/27/13 15:27

Exception Summary:

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

Report Generated By:

Carine Dempsey
Chemist, Volatile Organics
Wednesday, August 28, 2013
2:01:58 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H29A
Page: 1 of 3
Date: 08/29/13

Preparation Batch: VI13H29A

Preparation Date: 08/29/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)				Run Code		
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%	%	%	%				
Parameter	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
1. Acetone	U	10.0		71.7	100	72	19 - 185	78	8	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	2.00		88.4	100	88	43 - 155	99	12	20		MB-1	LCS-1	LCD-1
3. Benzene	U	1.00		91.1	100	91	69 - 137	97	6	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	1.00		87.9	100	88	65 - 140	93	6	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	1.00		78.1	100	78	33 - 141	81	4	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	1.00		95.5	100	96	84 - 144	104	8	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	1.00		73.1	100	73	88 - 136	82	12	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	5.00		185	100	185	58 - 172	155	18	20		MB-1	LCS-1	LCD-1
9. 1-Butanol	U	10.0		500	1,000	50	25 - 157	58	15	20		MB-1	LCS-1	LCD-1
10. 2-Butanone	U	5.00		77.6	100	78	28 - 176	89	13	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	1.00		97.5	100	97	63 - 149	105	8	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	1.00		95.1	100	95	61 - 143	102	7	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	1.00		95.6	100	96	70 - 139	104	8	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	1.00		84.8	100	85	27 - 166	91	7	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	1.00		98.8	100	99	70 - 140	108	8	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	1.00		95.0	100	95	88 - 126	101	6	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	5.00		76.1	100	76	33 - 172	81	6	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	1.00		85.7	100	86	66 - 138	92	7	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	2.00		88.8	100	89	45 - 153	96	8	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	1.00		92.4	100	92	75 - 137	98	6	20		MB-1	LCS-1	LCD-1
21. Cyclohexane	U	1.00		81.9	100	82	42 - 156	89	8	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	1.00		109	100	109	83 - 127	115	5	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane (SIM)	U	1.00		92.6	100	93	56 - 134	107	14	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	1.00		102	100	102	67 - 148	110	8	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	1.00		102	100	102	71 - 154	109	7	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	1.00		97.8	100	98	74 - 156	103	5	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	1.00		95.1	100	96	89 - 121	101	5	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene (SIM)	U	1.00		100	100	100	47 - 164	109	9	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	5.00		91.2	100	91	44 - 188	98	5	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	1.00		83.9	100	84	59 - 145	90	7	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	1.00		88.7	100	89	68 - 143	95	7	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	1.00		77.7	100	78	56 - 163	84	7	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	1.00		84.6	100	85	54 - 161	90	6	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	1.00		81.8	100	82	56 - 153	88	7	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	1.00		90.3	100	90	66 - 135	99	10	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	1.00		96.9	100	97	75 - 136	104	7	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	1.00		100	100	100	53 - 176	107	7	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	1.00		87.2	100	87	62 - 152	94	8	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	1.00		101	100	101	81 - 144	108	7	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	1.00		101	100	101	66 - 150	109	8	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	2.00		83.8	100	84	37 - 153	90	7	20		MB-1	LCS-1	LCD-1
42. Diisopropyl Ether	U	1.00		86.2	100	86	42 - 156	93	8	20		MB-1	LCS-1	LCD-1
43. ETBE	U	1.00		87.5	100	88	49 - 150	94	7	20		MB-1	LCS-1	LCD-1
44. Ethylbenzene	U	1.00		95.0	100	95	88 - 131	103	8	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide	U	1.00		98.1	100	98	88 - 131	105	7	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	5.00		117	100	117	72 - 144	125	7	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	1.00		99.7	100	100	37 - 171	107	7	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	5.00		83.5	100	83	37 - 183	99	18	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	1.00		98.6	100	97	89 - 148	104	7	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: V113H29A
Page: 2 of 3
Date: 08/29/13

Preparation Batch: V113H29A

Preparation Date: 08/29/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code		
	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Rec. %	RPD %	UCL %	MB	LCS	LCD
Parameter	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Rec. %	RPD %	UCL %	MB	LCS	LCD
50. 4-Isopropyltoluene	U	1.00		101	100	101	86 - 142	109	8	20	MB-1	LCS-1	LCD-1
51. Methyl Iodide	U	1.00		90.4	100	90	38 - 159	96	6	20	MB-1	LCS-1	LCD-1
52. Methylene Chloride	U	5.00		78.3	100	78	38 - 149	84	7	20	MB-1	LCS-1	LCD-1
53. 2-Methylnaphthalene	U	5.00		75.1	100	75	49 - 157	102	31	20	MB-1	LCS-1	LCD-1
54. 4-Methyl-2-pentanone	U	5.00		87.8	100	88	60 - 152	102	15	20	MB-1	LCS-1	LCD-1
55. MTBE	U	2.00		88.6	100	89	54 - 144	96	8	20	MB-1	LCS-1	LCD-1
56. Naphthalene	U	5.00		100	100	100	64 - 158	113	12	20	MB-1	LCS-1	LCD-1
57. n-Propylbenzene	U	1.00		93.7	100	94	64 - 146	101	7	20	MB-1	LCS-1	LCD-1
58. Styrene	U	1.00		87.8	100	88	79 - 129	97	10	20	MB-1	LCS-1	LCD-1
59. TAME	U	1.00		93.5	100	93	66 - 133	102	9	20	MB-1	LCS-1	LCD-1
60. 1,1,1,2-Tetrachloroethane	U	1.00		101	100	101	84 - 135	107	6	20	MB-1	LCS-1	LCD-1
61. 1,1,2,2-Tetrachloroethane	U	1.00		93.8	100	94	89 - 141	103	9	20	MB-1	LCS-1	LCD-1
62. Tetrachloroethene	U	1.00		99.4	100	99	81 - 145	108	9	20	MB-1	LCS-1	LCD-1
63. Tetrahydrofuran	U	5.00		74.0	100	74	33 - 148	85	14	20	MB-1	LCS-1	LCD-1
64. Toluene	U	1.00		91.3	100	91	77 - 135	99	8	20	MB-1	LCS-1	LCD-1
65. 1,2,3-Trichlorobenzene	U	5.00		104	100	104	74 - 147	119	13	20	MB-1	LCS-1	LCD-1
66. 1,2,4-Trichlorobenzene	U	5.00		110	100	110	73 - 152	119	8	20	MB-1	LCS-1	LCD-1
67. 1,1,1-Trichloroethane	U	1.00		86.3	100	86	69 - 143	93	8	20	MB-1	LCS-1	LCD-1
68. 1,1,2-Trichloroethane	U	1.00		97.4	100	97	84 - 122	106	9	20	MB-1	LCS-1	LCD-1
69. Trichloroethene	U	1.00		98.2	100	98	72 - 143	105	7	20	MB-1	LCS-1	LCD-1
70. Trichlorofluoromethane	U	1.00		79.5	100	79	41 - 181	85	7	20	MB-1	LCS-1	LCD-1
71. 1,2,3-Trichloropropane	U	1.00		88.4	100	88	82 - 127	100	13	20	MB-1	LCS-1	LCD-1
72. 1,2,3-Trimethylbenzene	U	1.00		95.6	100	96	80 - 133	102	6	20	MB-1	LCS-1	LCD-1
73. 1,2,4-Trimethylbenzene	U	1.00		98.6	100	99	81 - 140	106	7	20	MB-1	LCS-1	LCD-1
74. 1,3,5-Trimethylbenzene	U	1.00		98.2	100	98	82 - 140	106	8	20	MB-1	LCS-1	LCD-1
75. Vinyl Chloride	U	1.00		81.2	100	81	40 - 174	87	7	20	MB-1	LCS-1	LCD-1
76. m&p-Xylene	U	1.00		190	200	95	86 - 133	103	8	20	MB-1	LCS-1	LCD-1
77. o-Xylene	U	1.00		87.9	100	88	85 - 131	94	7	20	MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H29A
Page: 3 of 3
Date: 08/29/13

Preparation Batch: VI13H29A

Preparation Date: 08/29/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code					
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD		
	µg/L	µg/L		µg/L	µg/L	%	%	%	%	%						
System Monitoring Compounds (Surrogates):																
	Result	Spike	Rec.	Q	Result	Spike	Rec.	LCL - UCL	Q	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L	%		µg/L	µg/L	%	%		%	%	%		%		
1. Dibromofluoromethane(S)	44.9	50.0	90		45.7	50.0	91	67 - 130		92	1	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	45.1	50.0	90		43.9	50.0	88	58 - 133		89	1	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	48.3	50.0	97		48.0	50.0	96	77 - 114		96	0	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	47.0	50.0	94		46.7	50.0	93	65 - 115		95	2	20		MB-1	LCS-1	LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VI13H29A 08/29/13 11:42
LCS-1 VI13H29A 08/29/13 09:56
LCD-1 VI13H29A 08/29/13 10:23

Exception Summary:

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

Report Generated By:

Jeffrey LeClair
Chemist, Volatile Organics
Thursday, August 29, 2013
1:24:24 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H27B
Page: 1 of 3
Date: 08/28/13

Preparation Batch: VI13H27B

Preparation Date: 08/27/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)				Run Code		
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%	%	%	%				
Parameter	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	Q	MB	LCS	LCD
µg/L	µg/L		µg/L	µg/L		%	%	%	%	%				
1. Acetone	U	10.0		92.6	100	93	19 - 185	94	1	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	2.00		124	100	124	43 - 155	119	4	20		MB-1	LCS-1	LCD-1
3. Benzene	U	1.00		118	100	118	69 - 137	111	6	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	1.00		91.2	100	91	65 - 140	87	4	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	1.00		118	100	118	33 - 141	109	8	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	1.00		124	100	124	84 - 144	118	5	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	1.00		101	100	101	68 - 138	98	3	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	5.00		89.6	100	100	56 - 172	101	1	20		MB-1	LCS-1	LCD-1
9. 1-Butanol	U	10.0		609	1,000	61	25 - 157	87	35	20	*	MB-1	LCS-1	LCD-1
10. 2-Butanone	U	5.00		108	100	108	28 - 176	109	1	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	1.00		102	100	102	83 - 149	98	4	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	1.00		98.2	100	98	61 - 143	95	3	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	1.00		99.1	100	99	70 - 139	96	3	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	1.00		126	100	126	27 - 166	114	10	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	1.00		132	100	132	70 - 140	125	5	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	1.00		105	100	105	88 - 126	100	5	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	5.00		108	100	108	33 - 172	98	10	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	1.00		124	100	124	66 - 138	115	8	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	2.00		94.9	100	95	45 - 153	93	2	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	1.00		96.2	100	96	75 - 137	92	4	20		MB-1	LCS-1	LCD-1
21. Cyclohexane	U	1.00		126	100	126	42 - 156	117	7	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	1.00		117	100	117	83 - 127	113	3	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane (SIM)	U	1.00		97.3	100	97	66 - 134	102	5	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	1.00		125	100	125	67 - 148	122	2	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	1.00		104	100	104	71 - 154	100	4	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	1.00		98.6	100	99	74 - 156	95	4	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	1.00		96.2	100	96	89 - 121	93	3	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene (SIM)	U	1.00		101	100	101	47 - 164	100	1	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	5.00		137	100	137	44 - 188	126	8	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	1.00		123	100	123	59 - 145	114	8	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	1.00		117	100	117	68 - 143	110	6	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	1.00		119	100	119	56 - 163	109	9	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	1.00		124	100	124	54 - 161	113	9	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	1.00		122	100	122	56 - 163	112	9	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	1.00		121	100	121	66 - 135	116	4	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	1.00		109	100	109	75 - 136	104	5	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	1.00		130	100	130	53 - 178	121	7	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	1.00		128	100	128	62 - 152	117	9	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	1.00		128	100	128	81 - 144	123	4	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	1.00		129	100	129	66 - 150	124	4	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	2.00		123	100	123	37 - 153	113	8	20		MB-1	LCS-1	LCD-1
42. Diisopropyl Ether	U	1.00		129	100	129	42 - 156	119	8	20		MB-1	LCS-1	LCD-1
43. ETBE	U	1.00		127	100	127	49 - 150	117	8	20		MB-1	LCS-1	LCD-1
44. Ethylbenzene	U	1.00		108	100	108	88 - 131	103	5	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide	U	1.00		109	100	109	86 - 131	104	5	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	5.00		104	100	104	72 - 144	104	0	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	1.00		103	100	103	37 - 171	100	3	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	5.00		99.1	100	99	37 - 183	105	6	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	1.00		110	100	110	89 - 148	103	7	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatle Organics by GC/MS
Aqueous

Batch ID: VI13H27B
Page: 2 of 3
Date: 08/28/13

Preparation Batch: VI13H27B

Preparation Date: 08/27/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)				LCS Duplicate (LCD)			Run Code		
	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%	%	%	%			
Parameter	Result	PQL	Q	Result	Spike	Rec.	LCL - UCL	Rec.	RPD	UCL	MB	LCS	LCD
	µg/L	µg/L		µg/L	µg/L	%	%	%	%	%			
50. 4-Isopropyltoluene	U	1.00		104	100	104	86 - 142	101	3	20	MB-1	LCS-1	LCD-1
51. Methyl iodide	U	1.00		110	100	110	38 - 159	94	16	20	MB-1	LCS-1	LCD-1
52. Methylene Chloride	U	5.00		118	100	118	38 - 149	108	9	20	MB-1	LCS-1	LCD-1
53. 2-Methylnaphthalene	U	5.00		79.3	100	79	49 - 157	99	22	20	MB-1	LCS-1	LCD-1
54. 4-Methyl-2-pentanone	U	5.00		116	100	116	60 - 152	122	5	20	MB-1	LCS-1	LCD-1
55. MTBE	U	2.00		127	100	127	54 - 144	119	7	20	MB-1	LCS-1	LCD-1
56. Naphthalene	U	5.00		100	100	100	64 - 158	105	5	20	MB-1	LCS-1	LCD-1
57. n-Propylbenzene	U	1.00		97.8	100	98	64 - 146	94	4	20	MB-1	LCS-1	LCD-1
58. Styrene	U	1.00		98.6	100	99	79 - 129	94	5	20	MB-1	LCS-1	LCD-1
59. TAME	U	1.00		120	100	120	66 - 133	115	4	20	MB-1	LCS-1	LCD-1
60. 1,1,1,2-Tetrachloroethane	U	1.00		111	100	111	84 - 135	106	5	20	MB-1	LCS-1	LCD-1
61. 1,1,2,2-Tetrachloroethane	U	1.00		95.6	100	96	69 - 141	95	1	20	MB-1	LCS-1	LCD-1
62. Tetrachloroethene	U	1.00		105	100	105	81 - 145	102	3	20	MB-1	LCS-1	LCD-1
63. Tetrahydrofuran	U	5.00		107	100	107	33 - 148	110	3	20	MB-1	LCS-1	LCD-1
64. Toluene	U	1.00		118	100	118	77 - 135	113	4	20	MB-1	LCS-1	LCD-1
65. 1,2,3-Trichlorobenzene	U	5.00		104	100	104	74 - 147	107	3	20	MB-1	LCS-1	LCD-1
66. 1,2,4-Trichlorobenzene	U	5.00		105	100	105	73 - 152	104	1	20	MB-1	LCS-1	LCD-1
67. 1,1,1-Trichloroethane	U	1.00		125	100	125	69 - 143	115	8	20	MB-1	LCS-1	LCD-1
68. 1,1,2-Trichloroethane	U	1.00		110	100	110	84 - 122	104	6	20	MB-1	LCS-1	LCD-1
69. Trichloroethene	U	1.00		124	100	124	72 - 143	120	3	20	MB-1	LCS-1	LCD-1
70. Trichlorofluoromethane	U	1.00		119	100	119	41 - 181	109	9	20	MB-1	LCS-1	LCD-1
71. 1,2,3-Trichloropropane	U	1.00		92.7	100	93	82 - 127	94	1	20	MB-1	LCS-1	LCD-1
72. 1,2,3-Trimethylbenzene	U	1.00		99.0	100	99	80 - 133	96	3	20	MB-1	LCS-1	LCD-1
73. 1,2,4-Trimethylbenzene	U	1.00		102	100	102	81 - 140	98	4	20	MB-1	LCS-1	LCD-1
74. 1,3,5-Trimethylbenzene	U	1.00		102	100	102	82 - 140	98	4	20	MB-1	LCS-1	LCD-1
75. Vinyl Chloride	U	1.00		114	100	114	40 - 174	106	7	20	MB-1	LCS-1	LCD-1
76. m&p-Xylene	U	1.00		218	200	109	86 - 133	102	7	20	MB-1	LCS-1	LCD-1
77. o-Xylene	U	1.00		111	100	111	85 - 131	105	6	20	MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: VI13H27B
Page: 3 of 3
Date: 08/28/13

Preparation Batch: VI13H27B

Preparation Date: 08/27/13

Parameter	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
System Monitoring Compounds (Surrogates):															
1. Dibromofluoromethane(S)	52.3	50.0	105	52.4	50.0	105	67 - 130		100	5	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	45.7	50.0	91	45.2	50.0	90	58 - 133		88	2	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	50.3	50.0	101	50.3	50.0	101	77 - 114		101	0	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	52.2	50.0	104	51.3	50.0	103	65 - 115		101	2	20		MB-1	LCS-1	LCD-1

Definitions/Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1 VI13H27B 08/28/13 01:21
LCS-1 VI13H27B 08/27/13 23:08
LCD-1 VI13H27B 08/27/13 23:35

Exception Summary:

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

Report Generated By:

Jeffrey LeClair

Jeffrey LeClair
Chemist, Volatile Organics
Wednesday, August 28, 2013
4:00:46 PM

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