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APPENDIX A

FREQUENCY OF DETECTION AND DATA SUMMARY TABLES

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APPENDIX A

FREQUENCY OF DETECTION AND DATA SUMMARY TABLES

INTRODUCTION

The large tables in this appendix (Tables A-1 through A-15) list the frequency of detection, minimum and maximum detected values, and the depth interval of the maximum concentration for all the chemical, radiochemical, and physical results obtained for Boreholes C3426 and C3427 at the 216-Z-9 Trench and Borehole C4545 at the 216-A-8 Crib for this remedial investigation report. The tables omit any groundwater samples retrived from the boreholes, most of the sediment samples in the groundwater region, and most of the trip blanks associated with samples in the groundwater region.

The "Constituent" column lists the chemical or physical property analyzed.

The "CAS Number" is the Chemical Abstracts Service number or a term used for the constituent.

The method names (terms) and the names in the "Constituent Class" column on the large Appendix A tables employ the following abbreviations.

Term	Definition	Term	Definition
AEA	alpha energy analysis	LLE	liquid-liquid extraction
CAS	Chemical Abstracts Service	LSC	liquid scintillation counting/counter
CVAA	cold vapor atomic absorption spectroscopy	MET	metal
COX	Combustion oxidation	MOIS	moisture
EXCH	exchange	PARTCL	particle
FLD	field (measurement)	PARTLDEN	particle density
GASGEN	gas generation	PEST	pesticide
GC	gas chromatography	pH	acidity/alkalinity
GCMS	gas chromatography/mass spectrometry	PLATE	alpha mount by electroplating
GEA	gamma energy analysis	PREC	chemical precipitation
GENORG	general organic	RAD	radiological
GPC	gas proportional counting	SEP	chemical separation
GS	gamma spectroscopy	SVOA	semivolatile organic analysis
HYDRCON	hydraulic conductivity	TCLP	toxicity characteristic leaching procedure
ICP	inductively coupled plasma	TINC	total inorganic carbon

Term	Definition	Term	Definition
ICP/MS	inductively coupled plasma/mass spectrometry	TOC	total organic carbon
IE	ion exchange	TOT	total
IR	infrared (spectrometry)	TR	trace
ISO	isotopic	VOA	volatile organic analysis
KPA	kinetic phosphorimetric analysis	WETCHEM	wet chemistry
LEPS	low-energy photon spectroscopy		

The reporting units of each constituent are presented in the "Units" column.

The "Number of Results" column lists the number of analysis conducted for each constituent.

The "Number of Detects" column lists the number of samples with reported values above the minimum constituent detection limit. When the "Number of Detects" column is zero, the "Maximum Detect" and "Minimum Detect" columns will be blank.

The range of nondetect values are presented in the "Minimum Nondetect" and "Maximum Nondetect" columns.

The "Minimum Detect" column indicates the minimum detected sample constituent concentration by the method in the "Analytical Method for Minimum Detect" column.

The "Maximum Detect" column indicates the maximum detected sample constituent concentration by the method in the "Analytical Method for Maximum Detect" column.

Under the "Analytical Method for Minimum Detect" and "Analytical Method for Maximum Detect" columns, U.S. Environmental Protection Agency, American Society for Testing and Materials, and Washington State Department of Ecology method numbers or brief descriptive names are provided. For the methods with numbers having three places to the left of the decimal points, the U.S. Environmental Protection Agency document number is provided in the table below. The reference for the four-digit methods is SW-846, *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, Third Edition; Final Update*, as amended. The method numbers and their definitions are referenced in the following table.

Method	Definition	Reference
150.1	150.1 method for pH	EPA/600/4-79/020
160.3	160.3 method for total residue	EPA/600/4-79/020
200.8	200.8 trace elements in water and wastes – ICP/MS	EPA/600/R-94/111
300.0	300.0 ion chromatography method for anions	EPA/600/R-93/100
300.7	300.7 method for metals	EPA/600/4-86/024
335.2	335.2 method for cyanide	EPA/600/4-79/020

Method	Definition	Reference
350.1	350.1 method for ammonia	EPA/600/R-93/100
350.3	350.3 method for ammonia as nitrogen-potentiometric	EPA/600/4-79/020
353.1	353.1 method for nitrogen in nitrate and nitrite	EPA/600/4-79/020
353.2	353.2 nitrate-nitrite as N	EPA/600/R-93/100
413.1	413.1 method for oil and grease	EPA/600/4-79/020
415.1	415.1 total organic carbon	EPA/600/4-79/020
906.0	906 method for tritium	EPA/600/4-80/032
1625	1625 method for isotopic dilution of semivolatile organic compounds	40 CFR 136, Appendix A
6010	6010 method for atomic emission spectrometry of inorganics by ICP	SW-846, update IVB
7196	7196 colorimetric method for hexavalent chromium	SW-846
7471	7471 mercury in solid/semisolid waste	SW-846, update IVA
8081	8081 gas chromatography method for pesticides	SW-846, update IVA
8082	8082 gas chromatography method for polychlorinated biphenyls	SW-846, update IVB
8151	8151 gas chromatography method for herbicides	SW-846
8260	8260 gas chromatography/mass spectrometry method for volatile organic compounds	SW-846
8270	8270 gas chromatography/mass spectrometry method for semivolatile organic compounds	SW-846, update IVA
9010	9010 method for cyanide	SW-846, update IIIB
9030	9030 distillation for sulfides	SW-846
9045	9045 method for soil and waste pH	SW-846, update IIIB
9056	9056 ion chromatography for inorganic ions	SW-846, update IVB
9060	9060 method for total organic carbon	SW-846, update IIIB
9070	9070 method for oil and grease	SW-846
9071	9071 method for oil and grease	SW-846
9081	9081 method for cation-exchange capacity of soils (sodium)	SW-846
D422	Test method for particle-size analysis of soils	ASTM D422
D854	Specific gravity of soil and solids by water pycnometer	ASTM D854-02
D2216	Lab determination of water (moisture) content of soil and rock by mass	ASTM D2216-98
D2937	Density of soil in place by drive-cylinder method	ASTM D2937
D4373	Rapid determination of carbonate content of soils	ASTM D4373-02
D5084	Measurement of hydraulic conductivity of saturated porous materials using flexible wall permeameter	ASTM D5084

Method	Definition	Reference
TO-15	Toxic organic compounds in ambient air	EPA/625/R-96/010b
WTPH/DIESEL	Total petroleum hydrocarbon-diesel (now NWTPH)	Ecology 97-602
WTPH/KEROSENE	Total petroleum hydrocarbon-kerosene (now NWTPH)	Ecology 97-602

The following trademarks are found on the large Appendix A tables.

Trademarks	
B&K	B&K is a trademark of Brüel & Kjær, S&V, Nærum, Denmark.
MIRAN	MIRAN is a registered trademark of Thermo Electron Corporation, Franklin, Massachusetts.

The following chemical elements and radionuclide abbreviations are employed on the large Appendix A tables.

Chemical Elements and Radionuclide Abbreviations			
Term	Meaning	Term	Meaning
AM	Americium	NP237	Neptunium-237
C14	Carbon-14	PA231	Protactinium-231
CM	Curium	PU	Plutonium
CR6	Chromium-6	SE79	Selenium-79
H2O	Water	SR	Strontium
H3	Hydrogen-3 (tritium)	TC99	Technetium-99
HG	Mercury	TH	Thorium
I129	Iodine-129	TR	trace
NI63	Nickel-63	U	Uranium

The "Start Depth of Maximum Detect" and "End Depth of Maximum Detect" columns indicate the upper and lower bounds in feet below ground surface (bgs) at which the maximum detected sample was taken, except for slant borehole C3427 where these sample depths are in feet downhole below ground surface (i.e., measured along the slanted borehole).

The "Sample Number of Maximum Detect" column indiciates the *Hanford Enviornmental Information System* (HEIS) sample number of the maximum detected sample, when appropriate.

REFERENCES

The following references are found on the large Appendix A tables.

40 CFR 136, Appendix A, "Guidelines Establishing Test Procedures for the Analysis of Pollutants," "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater," Title 40, *Code of Federal Regulations*, Part 136, Appendix A, as amended.

ASTM D422, 2002, *Standard Test Method for Particle-Size Analysis of Soils*, American Society for Testing and Materials, West Conshohocken, Pennsylvania.

ASTM D854-02, 2002, *Standard Test Methods for Specific Gravity of Soil and Solids by Water Pycnometer,* American Society for Testing and Materials, West Conshohocken, Pennsylvania.

ASTM D2216-98, 1998, *Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass*, American Society for Testing and Materials, West Conshohocken, Pennsylvania.

ASTM D2937, 2004, *Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method*, American Society for Testing and Materials, West Conshohocken, Pennsylvania.

ASTM D4373-02, 2002, *Standard Test Method for Rapid Determination of Carbonate Content of Soils*, American Society for Testing and Materials, West Conshohocken, Pennsylvania.

ASTM D5084, 2003, *Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter*, American Society for Testing and Materials, West Conshohocken, Pennsylvania.

Ecology 97-602, 1997, *Analytical Methods for Petroleum Hydrocarbons*, Washington State Department of Ecology, Olympia, Washington.

EPA/600/4-79/020, 1983, *Methods of Chemical Analysis of Water and Wastes*, Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, Ohio.

EPA/600/4-80/032, 1980, *Prescribed Procedures for Measurement of Radioactivity in Drinking Water*, Environmental Monitoring and Support Laboratory, U.S. Environmental Protection Agency, Cincinnati, Ohio.

EPA/600/4-86/024, 1986, *Development of Standard Methods for the Collection and Analysis of Precipitation*, U.S. Environmental Protection Agency, Washington, D.C.

EPA/600/R-93/100, 1993, *Methods for the Determination of Inorganic Substances in Environmental Samples,* Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, Ohio.

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SW-846, 2007, *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, Third Edition; Final Update IV-A*, as amended, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C. Available on the Internet at: www.epa.gov/epaoswer/hazwaste/test/up4b.htm .

SW-846, 2007, *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, Third Edition; Final Update IV-B*, as amended, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C. Available on the Internet at www.epa.gov/epaoswer/hazwaste/test/up4b.htm .

Table A-1. Summary Table for All Constituents in Shallow-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	33	33			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro ethane)	72-54-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro ethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro ethane)	50-29-3	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	67	67			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			

Table A-2. Summary Table for Nonradiological Constituents in Shallow-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	33	33			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro ethane)	72-54-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro ethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro ethane)	50-29-3	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	67	67			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	33	33			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro ethane)	72-54-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro ethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro ethane)	50-29-3	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Aroclor-1016	12674-11-2	GENORG	µg/kg	8	0	0	15	160			8082_PCB_GC	8082_PCB_GC			
Aroclor-1221	11104-28-2	GENORG	µg/kg	8	0	0	12	110			8082_PCB_GC	8082_PCB_GC			
Aroclor-1232	11141-16-5	GENORG	µg/kg	8	0	0	15	890			8082_PCB_GC	8082_PCB_GC			
Aroclor-1242	53469-21-9	GENORG	µg/kg	8	0	0	15	160			8082_PCB_GC	8082_PCB_GC			
Aroclor-1248	12672-29-6	GENORG	µg/kg	8	2	25	13	56	150	1600	8082_PCB_GC	8082_PCB_GC	63.5	66	B17TM6
Aroclor-1254	11097-69-1	GENORG	µg/kg	8	0	0	7.4	56			8082_PCB_GC	8082_PCB_GC			
Aroclor-1260	11096-82-5	GENORG	µg/kg	8	0	0	15	220			8082_PCB_GC	8082_PCB_GC			
Aroclor-1262	37324-23-5	GENORG	µg/kg	3	0	0	49	56			8082_PCB_GC	8082_PCB_GC			
Aroclor-1268	11100-14-4	GENORG	µg/kg	3	0	0	49	56			8082_PCB_GC	8082_PCB_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Calcium Carbonate	471-34-1	GENORG	%	6	3	50	0	0	1	6	D4373_GASGEN	D4373_GASGEN	117	119.5	B17T82
Carbon Dioxide	124-38-9	GENORG	%(vol)	5	5	100			0	1.3	VOA_GC_FLD	VOA_GC_FLD	90	92.5	B17XB6
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	67	67			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methane	74-82-8	GENORG	%(vol)	45	5	11	0	0	0	0.1	GAS_IR_FLD	GAS_IR_FLD	65	66	B17RN3
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Oil and grease	OIL/GREASE	GENORG	µg/kg	9	3	33	133000	720000	107000	2400000	9070_OILGREASE	9070_OILGREASE	63.5	66	B17TM6-B
Oxygen	7782-44-7	GENORG	%(vol)	22	22	100			14.2	19	GAS_IR_FLD	GAS_IR_FLD	49.5	50	B17RM7
Total Inorganic Carbon	TINC	GENORG	µg/kg	8	5	62	4700	60300	23800	5440000	9060_TOC	415.1_TOC	119.5	122	B17N65
Total organic carbon	TOC	GENORG	µg/kg	8	6	75	39500	97900	76500	2600000	9060_TOC	415.1_TOC	119.5	122	B17N65
Total petroleum hydrocarbons diesel range	TPHDIESEL	GENORG	µg/kg	9	0	0	20.9	13600			WTPH_DIESEL	WTPH_DIESEL			
Total petroleum hydrocarbons kerosene range	TPH KEROSENE	GENORG	µg/kg	9	0	0	20.9	13600			WTPH_DIESEL	WTPH_DIESEL			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			
Aluminum	7429-90-5	METAL	µg/kg	9	9	100			4970000	13100000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Antimony	7440-36-0	METAL	µg/kg	12	4	33	250	9320	828	4630	6010_METALS_ICP	6010_METALS_ICP	63.5	66	B17TM6
Arsenic	7440-38-2	METAL	µg/kg	12	8	67	1200	10300	1620	11000	6010_METALS_ICP	6010_METALS_ICP	47.5	50	B17N46
Barium	7440-39-3	METAL	µg/kg	12	12	100			36000	112000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Beryllium	7440-41-7	METAL	µg/kg	12	10	83	270	1430	280	640	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Bismuth	7440-69-9	METAL	µg/kg	12	0	0	240	10400			6010_METALS_ICP	6010_METALS_ICP			
Cadmium	7440-43-9	METAL	µg/kg	12	8	67	70	75	1270	40200	6010_METALS_ICP	6010_METALS_ICP	90	92.5	B17N52
Calcium	7440-70-2	METAL	µg/kg	9	9	100			2310000	32900000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Chromium	7440-47-3	METAL	µg/kg	12	12	100			12200	162000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Chromium	7440-47-3	METAL	µg/L	2	1	50	8.8	8.8	8.66	8.66	TCLP_200.8_MET_ICP	TCLP_200.8_MET_ICP	119.5	122	B17N63
Cobalt	7440-48-4	METAL	µg/kg	9	9	100			5800	20600	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Copper	7440-50-8	METAL	µg/kg	12	12	100			7000	26300	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Hexavalent Chromium	18540-29-9	METAL	µg/kg	8	1	12	210	400	750	750	7196_CR6	7196_CR6	63.5	66	B17TM6-B
Iron	7439-89-6	METAL	µg/kg	9	9	100			12600000	49400000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Lead	7439-92-1	METAL	µg/kg	12	8	67	63	63	3800	620000	6010_METALS_ICP	6010_METALS_ICP	115	117.5	B191Y7
Lithium	7439-93-2	METAL	µg/kg	12	12	100			5060	11900	6010_METALS_ICP	6010_METALS_ICP	115	117.5	B191Y7
Magnesium	7439-95-4	METAL	µg/kg	9	9	100			3120000	7130000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Manganese	7439-96-5	METAL	µg/kg	12	12	100			157000	2240000	6010_METALS_ICP	6010_METALS_ICP	184	186.5	B17N70
Mercury	7439-97-6	METAL	µg/kg	12	7	58	10	987	90	1020	7471_HG_CVAA	200.8_METALS_ICPMS	174	176.5	B17N67
Nickel	7440-02-0	METAL	µg/kg	12	12	100			8280	72900	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Phosphorus	7723-14-0	METAL	µg/kg	12	12	100			464000	1470000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Potassium	7440-09-7	METAL	µg/kg	9	9	100			89800	1730000	6010_METALS_ICP	6010_METALS_ICP	115	117.5	B191Y7
Selenium	7782-49-2	METAL	µg/kg	12	2	17	320	10500	1990	3760	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Silver	7440-22-4	METAL	µg/kg	12	6	50	60	1110	958	2880	6010_METALS_ICP	6010_METALS_ICP	174	176.5	B17N67
Sodium	7440-23-5	METAL	µg/kg	9	9	100			145000	2660000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Strontium	7440-24-6	METAL	µg/kg	12	12	100			11700	87100	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Uranium	7440-61-1	METAL	µg/kg	11	8	73	158	995	382	3140	200.8_METALS_ICPMS	UTOT_KPA	115	117.5	B191Y7
Vanadium	7440-62-2	METAL	µg/kg	9	9	100			23300	137000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Zinc	7440-66-6	METAL	µg/kg	12	12	100			31900	65800	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Bulk density - dry	BULKDENSITY-DRY	PHYSICAL	kg/m3	5	5	100			1430	2102	D2937_DENSITY	D2937_DENSITY	184	186.5	B17T84
Bulk density - wet	BULKDENSITY-WET	PHYSICAL	kg/m3	5	5	100			1608	2150	D2937_DENSITY	D2937_DENSITY	184	186.5	B17T84
Cation Exchange Capacity	CEC	PHYSICAL	mEQ/100g	6	6	100			2.8	25.6	9081_CATIONEXCH	9081_CATIONEXCH	226.5	229	B17NL7
Hydraulic Conductivity	HYDCON	PHYSICAL	cm/s	5	5	100			0.00000034	0.000029	D5084_HYDRCON	D5084_HYDRCON	224	226.5	B17NL4
Percent moisture (dry sample)	%MOISTURE-D	PHYSICAL	%	6	6	100			2.9	23.6	D2216_%MOIS	D2216_%MOIS	115	117.5	B191Y6
Percent moisture (wet sample)	%MOISTURE	PHYSICAL	%	6	6	100			2.8	19.1	D2216_%MOIS	D2216_%MOIS	115	117.5	B191Y6
Percent passing 1.5 inch sieve	PAS1.5IN	PHYSICAL	%	6	6	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing 3 inch sieve	PAS3IN	PHYSICAL	%	6	6	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing 3/4 inch sieve	PAS3/4IN	PHYSICAL	%	6	6	100			81.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing 3/8 inch sieve	PAS3/8IN	PHYSICAL	%	6	6	100			50.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing No.10 sieve	PAS#10	PHYSICAL	%	6	6	100			30.7	100	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.100 sieve	PAS#100	PHYSICAL	%	6	6	100			17.3	96.2	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.140 sieve	PAS#140	PHYSICAL	%	6	6	100			15	90.8	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.20 sieve	PAS#20	PHYSICAL	%	6	6	100			27.4	100	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.200 sieve	PAS#200	PHYSICAL	%	6	6	100			12	75.5	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.4 sieve	PAS#4	PHYSICAL	%	6	6	100			36.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing No.40 sieve	PAS#40	PHYSICAL	%	6	6	100			25.2	100	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.60 sieve	PAS#60	PHYSICAL	%	6	6	100			22.4	99.1	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent Solids	%SOLIDS	PHYSICAL	%	5	5	100			80.9	97.2	%SOLIDS	%SOLIDS	184	186.5	B17T84
pH Measurement	PH	PHYSICAL	pH	10	10	100			3.86	9.379	9045_PH	150.1_PH	184	186.5	B17N70
Specific Gravity	SPECGVTY	PHYSICAL	unitless	5	5	100			2.7201	2.8383	D854_PARTLDEN	D854_PARTLDEN	119.5	122	B17RM3
Americium-241	14596-10-2	RAD	pCi/g	10	8	80	0.009	0.017	0.038	309000	AMCMISO_IE_PREC_AEA	AMCMISO_EIE_PLT_AEA	109.5	112	B18XR8
Antimony-125	14234-35-6	RAD	pCi/g	12	0	0	-0.057	792			GAMMA_GS	GAMMA_GS			
Carbon-14	14762-75-5	RAD	pCi/g	4	0	0	-13.7	65.9			C14_COX_LSC	C14_COX_LSC			
Cesium-134	13967-70-9	RAD	pCi/g	12	0	0	0.017	298			GAMMA_GS	GAMMA_GS			
Cesium-137	10045-97-3	RAD	pCi/g	14	3	21	-0.045	766	0.047	1.04	GAMMA_GS	GAMMA_GS	109.5	112	B17N57
Cobalt-60	10198-40-0	RAD	pCi/g	14	0	0	-0.025	383			GAMMA_GS	GAMMA_GS			
Europium-152	14683-23-9	RAD	pCi/g	14	1	7	-0.182	701	20.7	20.7	GAMMA_GS	GAMMA_GS	109.5	112	B18XR8
Europium-154	15585-10-1	RAD	pCi/g	14	1	7	-0.027	1020	44	44	GAMMA_GS	GAMMA_GS	109.5	112	B18XR8
Europium-155	14391-16-3	RAD	pCi/g	14	3	21	-0.048	788	0.057	20.6	GAMMA_GS	GAMMA_GS	109.5	112	B18XR8

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Gross alpha	12587-46-1	RAD	pCi/g	11	11	100			1.8	296000	ALPHA_GPC	ALPHA_GPC	109.5	112	B18XR8
Gross beta	12587-47-2	RAD	pCi/g	11	11	100			0.63	54800	BETA_GPC	BETA_GPC	109.5	112	B18XR8
Iodine-129	15046-84-1	RAD	pCi/g	4	0	0	-27.5	-0.393			I129_SEP_LEPS_GS	I129_SEP_LEPS_GS			
Neptunium-237	13994-20-2	RAD	pCi/g	11	4	36	-0.003	504	0.005	28.9	NP237_IE_PRECIP_AEA	NP237_LLE_PLATE_AEA	109.5	112	B18XR8
Nickel-63	13981-37-8	RAD	pCi/g	4	1	25	308	1540	2360	2360	NI63_LSC	NI63_LSC	115	117.5	B191Y7
Plutonium-238	13981-16-3	RAD	pCi/g	12	3	25	-0.004	19200	1.6	657	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	109.5	112	B18XR8
Plutonium-239/240	PU-239/240	RAD	pCi/g	12	9	75	0.002	0.006	0.03	115000	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	63.5	66	B17TM6
Potassium-40	13966-00-2	RAD	pCi/g	5	3	60	230	300	15.8	21.6	GAMMA_GS	GAMMA_GS	115	117.5	B191Y7
Protactinium-231	14331-85-2	RAD	pCi/g	4	1	25	0	7.4	12.9	12.9	PA231_IE_PLATE_AEA	PA231_IE_PLATE_AEA	63.5	66	B17TM6-A
Radium-226	13982-63-3	RAD	pCi/g	5	1	20	0.778	43	0.736	0.736	GAMMA_GS	GAMMA_GS	115	117.5	B191Y7
Radium-228	15262-20-1	RAD	pCi/g	5	1	20	2.4	66	2.79	2.79	GAMMA_GS	GAMMA_GS	109.5	112	B17N57
Selenium-79	15758-45-9	RAD	pCi/g	4	0	0	-69.1	-21.3			SE79_SEP_IE_LSC	SE79_SEP_IE_LSC			
Strontium-90	10098-97-2	RAD	pCi/g	3	2	67	7.86	7.86	0.741	13.4	SRISO_SEP_PRECIP_GPC	SRISO_SEP_PRECIP_GPC	63.5	66	B17TM6
Technetium-99	14133-76-7	RAD	pCi/g	4	1	25	-2.26	15.8	18	18	TC99_TR_SEP_GPC	TC99_TR_SEP_GPC	47.5	50	B17N46-A
Thorium-228	14274-82-9	RAD	pCi/g	2	0	0	1.06	2.05			THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA			
Thorium-230	14269-63-7	RAD	pCi/g	2	1	50	43	43	72	72	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	115	117.5	B191Y7
Thorium-232	TH-232	RAD	pCi/g	5	3	60	-10.2	-5.29	0.322	0.698	RADISOTOPES_ICPMS	RADISOTOPES_ICPMS	109.5	112	B18XR8
Total beta radiostrontium	SR-RAD	RAD	pCi/g	2	0	0	-16.5	65.5			SRTOT_SEP_PRECIP_GPC	SRTOT_SEP_PRECIP_GPC			
Tritium	10028-17-8	RAD	pCi/g	6	0	0	-1.1	28.2			TRITIUM_COX_LSC	TRITIUM_COX_LSC			
Uranium-233/234	U-233/234	RAD	pCi/g	8	6	75	0	28.9	0.08	0.69	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	119.5	122	B17N63
Uranium-234	13966-29-5	RAD	pCi/g	3	3	100			0.422	11.8	RADISOTOPES_ICPMS	RADISOTOPES_ICPMS	47.5	50	B17N46
Uranium-235	15117-96-1	RAD	pCi/g	11	7	64	0	1.5	0.0147	0.13	RADISOTOPES_ICPMS	UISO_IE_PRECIP_AEA	119.5	122	B17N63
Uranium-238	U-238	RAD	pCi/g	11	9	82	1.24	14.5	0.094	0.67	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	119.5	122	B17N63
1,2,4-Trichlorobenzene	120-82-1	SVOA	µg/kg	12	0	0	300	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	SVOA	µg/kg	6	0	0	120	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2-Dichlorobenzene	95-50-1	SVOA	µg/kg	9	0	0	330	410			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,3-Dichlorobenzene	541-73-1	SVOA	µg/kg	9	0	0	330	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,4-Dichlorobenzene	106-46-7	SVOA	µg/kg	12	0	0	320	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,5-Trichlorophenol	95-95-4	SVOA	µg/kg	9	0	0	75	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,6-Trichlorophenol	88-06-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dichlorophenol	120-83-2	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dimethylphenol	105-67-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrophenol	51-28-5	SVOA	µg/kg	9	0	0	680	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrotoluene	121-14-2	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dinitrotoluene	606-20-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-di-tert-Butyl-p-benzoquinone	719-22-2	SVOA	µg/kg	2	2	100			4.5	6.2	1625_SVOA_GCMS	1625_SVOA_GCMS	117	119.5	B17N64
2-Chloronaphthalene	91-58-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chlorophenol	95-57-8	SVOA	µg/kg	12	0	0	150	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylnaphthalene	91-57-6	SVOA	µg/kg	9	0	0	180	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylphenol (cresol, o-)	95-48-7	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitroaniline	88-74-4	SVOA	µg/kg	9	0	0	68	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitrophenol	88-75-5	SVOA	µg/kg	9	0	0	180	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
3,3'-Dichlorobenzidine	91-94-1	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
3+4 Methylphenol (cresol, m+p)	65794-96-9	SVOA	µg/kg	9	0	0	120	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
3-Nitroaniline	99-09-2	SVOA	µg/kg	9	0	0	68	940			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
4,6-Dinitro-2-methylphenol	534-52-1	SVOA	µg/kg	9	0	0	680	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Bromophenylphenyl ether	101-55-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloro-3-methylphenol	59-50-7	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloroaniline	106-47-8	SVOA	µg/kg	9	0	0	96	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chlorophenylphenyl ether	7005-72-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Methylphenol (cresol, p-)	106-44-5	SVOA	µg/kg	4	0	0	330	960			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitroaniline	100-01-6	SVOA	µg/kg	9	0	0	250	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitrophenol	100-02-7	SVOA	µg/kg	12	0	0	660	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthene	83-32-9	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthylene	208-96-8	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Anthracene	120-12-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)anthracene	56-55-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)pyrene	50-32-8	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(b)fluoranthene	205-99-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(ghi)perylene	191-24-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(k)fluoranthene	207-08-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloro-1-methylethyl)ether	108-60-1	SVOA	µg/kg	9	0	0	260	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-Chloroethoxy)methane	111-91-1	SVOA	µg/kg	9	0	0	120	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloroethyl) ether	111-44-4	SVOA	µg/kg	9	0	0	250	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-ethylhexyl) phthalate	117-81-7	SVOA	µg/kg	9	0	0	330	630			8270_SVOA_GCMS	8270_SVOA_GCMS			
Butylbenzylphthalate	85-68-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Carbazole	86-74-8	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Chrysene	218-01-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Cyclohexanone	108-94-1	SVOA	µg/kg	6	0	0	340	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenz[a,h]anthracene	53-70-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenzofuran	132-64-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Diethylphthalate	84-66-2	SVOA	µg/kg	9	2	22	190	380	220	230	8270_SVOA_GCMS	8270_SVOA_GCMS	224	226.5	B17N73
Dimethyl phthalate	131-11-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Di-n-butylphthalate	84-74-2	SVOA	µg/kg	9	3	33	89	380	94	220	8270_SVOA_GCMS	8270_SVOA_GCMS	224	226.5	B17N73
Di-n-octylphthalate	117-84-0	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluoranthene	206-44-0	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluorene	86-73-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobenzene	118-74-1	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobutadiene	87-68-3	SVOA	µg/kg	9	0	0	330	410			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorocyclopentadiene	77-47-4	SVOA	µg/kg	9	0	0	320	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachloroethane	67-72-1	SVOA	µg/kg	9	0	0	330	530			8270_SVOA_GCMS	8270_SVOA_GCMS			
Indeno(1,2,3-cd)pyrene	193-39-5	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Isophorone	78-59-1	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Naphthalene	91-20-3	SVOA	µg/kg	9	0	0	290	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Nitrobenzene	98-95-3	SVOA	µg/kg	9	0	0	270	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodi-n-dipropylamine	621-64-7	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodiphenylamine	86-30-6	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pentachlorophenol	87-86-5	SVOA	µg/kg	12	0	0	310	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Phenanthrene	85-01-8	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenol	108-95-2	SVOA	µg/kg	12	0	0	100	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenyl sulfone	127-63-9	SVOA	µg/kg	1	1	100			240	240	8270_SVOA_GCMS	8270_SVOA_GCMS	226.5	229	B17NL5
Pyrene	129-00-0	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Tributyl phosphate	126-73-8	SVOA	µg/kg	12	3	25	68	960	35000	2100000	8270_SVOA_GCMS	8270_SVOA_GCMS	63.5	66	B17TM6
1,1,1-Trichloroethane	71-55-6	VOA	µg/kg	19	0	0	0.59	140			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2,2-Tetrachloroethane	79-34-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2-Trichloroethane	79-00-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethane	75-34-3	VOA	µg/kg	19	0	0	0.67	300			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethene	75-35-4	VOA	µg/kg	19	1	5	0.64	150	1.1	1.1	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
1,2-Dichloroethane	107-06-2	VOA	µg/kg	19	0	0	0.64	150			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethene (Total)	540-59-0	VOA	µg/kg	19	0	0	1.2	270			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloropropane	78-87-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
1-Butanol	71-36-3	VOA	µg/kg	11	5	45	38	43	76.174	1500	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
2-Butanone	78-93-3	VOA	PPM(V/V)	34	18	53	1	1.28	1.05	3.25	VOA_B&K_FLD	VOA_B&K_FLD	110	112	B17XB9
2-Butanone	78-93-3	VOA	µg/kg	19	6	32	1.9	160	22	80	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
2-Ethyl-1-hexanol	104-76-7	VOA	µg/kg	2	2	100			8.5	24	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
2-Hexanone	591-78-6	VOA	µg/kg	13	4	31	1.9	11	1.3	7.6	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
2-Methyl-2-Propanol	75-65-0	VOA	µg/kg	1	1	100			4.3	4.3	8260_VOA_GCMS	8260_VOA_GCMS	90	92.5	B17N61
2-Pentanone	107-87-9	VOA	µg/kg	2	2	100			6	6.6	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64
2-Pentanone, 4-Methyl	108-10-1	VOA	µg/kg	19	1	5	0.62	140	1.2	1.2	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64
2-Propanol	67-63-0	VOA	µg/kg	1	1	100			10	10	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Acetone	67-64-1	VOA	µg/kg	19	10	53	1.9	180	9	660	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N68
Acetonitrile	75-05-8	VOA	µg/kg	9	0	0	3.8	22			8260_VOA_GCMS	8260_VOA_GCMS			
Benzene	71-43-2	VOA	µg/kg	19	1	5	0.56	130	0.97	0.97	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Benzoic acid, 2-[(trimethylsilyl)oxy]-,trimethylsilyl ester	3789-85-3	VOA	µg/kg	1	1	100			6.3	6.3	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Bromodichloromethane	75-27-4	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Bromoform	75-25-2	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Bromomethane	74-83-9	VOA	µg/kg	9	1	11	1.9	10	31	31	8260_VOA_GCMS	8260_VOA_GCMS	119.5	122	B18XT1
Butyraldehyde	123-72-8	VOA	µg/kg	1	1	100			18	18	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
Carbon Dioxide	124-38-9	VOA	%(vol)	40	20	50	0	0	0	3.2	VOA_GC_FLD	VOA_GC_FLD	66	67	B17X90
Carbon disulfide	75-15-0	VOA	µg/kg	10	1	10	1.9	11	11	11	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B18XT1
Carbon tetrachloride	56-23-5	VOA	ppm(vv)	65	56	86	1	25.6	1.01	9700	VOA_B&K_FLD	VOA_B&K_FLD	110	112	B17XB9
Carbon tetrachloride	56-23-5	VOA	µg/kg	19	7	37	1.9	240	14	380000	8260_VOA_GCMS	8260_VOA_GCMS	63.5	66	B17TM6
Chlorobenzene	108-90-7	VOA	µg/kg	19	1	5	0.64	150	0.98	0.98	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Chloroethane	75-00-3	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroform	67-66-3	VOA	ppm(vv)	65	45	69	1	1.26	1.06	130	VOA_B&K_FLD	VOA_B&K_FLD	66	67	B17X92
Chloroform	67-66-3	VOA	µg/kg	19	6	32	0.78	140	0.96	4900	8260_VOA_GCMS	8260_VOA_GCMS	63.5	66	B17TM6
Chloromethane	74-87-3	VOA	µg/kg	19	1	5	1.4	620	110	110	8260_VOA_GCMS	8260_VOA_GCMS	119.5	122	B18XT1
cis-1,2-Dichloroethylene	156-59-2	VOA	µg/kg	7	0	0	1.9	5			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,3-Dichloropropene	10061-01-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Dibromochloromethane	124-48-1	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Ethylbenzene	100-41-4	VOA	µg/kg	19	0	0	0.82	190			8260_VOA_GCMS	8260_VOA_GCMS			
Hexachloroethane	67-72-1	VOA	µg/kg	2	2	100			5.2	15	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Hexanal	66-25-1	VOA	µg/kg	1	1	100			13	13	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A

Table A-3. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Hexane	110-54-3	VOA	µg/kg	9	1	11	1.9	11	2	2	8260_VOA_GCMS	8260_VOA_GCMS	90	92.5	B17N52
Methylene chloride	75-09-2	VOA	ppm(vv)	34	33	97	1.08	1.08	1.04	37	VOA_B&K_FLD	VOA_B&K_FLD	110	112	B17XC3
Methylene chloride	75-09-2	VOA	µg/kg	19	2	11	1.1	250	12	20	8260_VOA_GCMS	8260_VOA_GCMS	119.5	122	B18XT1
n-Butylbenzene	104-51-8	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Nitromethane	75-52-5	VOA	µg/kg	1	1	100			5.5	5.5	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
n-Valeraldehyde	110-62-3	VOA	µg/kg	1	1	100			8.9	8.9	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Styrene	100-42-5	VOA	µg/kg	10	2	20	1.9	11	2.9	3.4	8260_VOA_GCMS	8260_VOA_GCMS	184	186.5	B17N70
Tetrachloroethene	127-18-4	VOA	µg/kg	19	5	26	0.76	130	0.94	17000	8260_VOA_GCMS	8260_VOA_GCMS	63.5	66	B17TM6
Tetrahydrofuran	109-99-9	VOA	µg/kg	5	5	100			9.6	112	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
Toluene	108-88-3	VOA	µg/kg	19	2	11	0.54	130	0.97	1.3	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64
trans-1,2-Dichloroethylene	156-60-5	VOA	µg/kg	7	0	0	1.9	5			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,3-Dichloropropene	10061-02-6	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Tribromoethylene	598-16-3	VOA	µg/kg	1	1	100			5.7	5.7	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Trichloroethene	79-01-6	VOA	µg/kg	19	1	5	0.72	170	1.1	1.1	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Vinyl chloride	75-01-4	VOA	µg/kg	19	0	0	1.3	560			8260_VOA_GCMS	8260_VOA_GCMS			
Xylenes (total)	1330-20-7	VOA	µg/kg	19	0	0	1.3	310			8260_VOA_GCMS	8260_VOA_GCMS			
Ammonia	7664-41-7	WETCHEM	µg/kg	1	1	100			7050	7050	350.3_AMMONIA	350.3_AMMONIA	90	92.5	B17N52
Ammonium ion	14798-03-9	WETCHEM	µg/kg	9	7	78	22100	28600	923	192000	300.7_IC	300.7_IC	109.5	112	B18XR8
Chloride	16887-00-6	WETCHEM	µg/kg	12	12	100			3300	51400	300.0_ANIONS_IC	300.0_ANIONS_IC	63.5	66	B17TM6
Cyanide	57-12-5	WETCHEM	µg/kg	10	0	0	200	624			335.2_CYANIDE	9010_CYANIDE			
Fluoride	16984-48-8	WETCHEM	µg/kg	12	7	58	1150	24900	2400	7800	300.0_ANIONS_IC	300.0_ANIONS_IC	90	92.5	B17N52
Nitrate	14797-55-8	WETCHEM	µg/kg	12	12	100			28900	5910000	300.0_ANIONS_IC	300.0_ANIONS_IC	109.5	112	B18XR8
Nitrite	14797-65-0	WETCHEM	µg/kg	12	3	25	1420	224000	2060	12100	300.0_ANIONS_IC	300.0_ANIONS_IC	47.5	50	B17N46
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	WETCHEM	µg/kg	8	8	100			7500	432000	353.2_NO3/NO2	353.2_NO3/NO2	119.5	122	B17N65
Phosphate	14265-44-2	WETCHEM	µg/kg	12	0	0	1200	249000			300.0_ANIONS_IC	300.0_ANIONS_IC			
Sulfate	14808-79-8	WETCHEM	µg/kg	12	9	75	1200	287000	8100	456000	300.0_ANIONS_IC	300.0_ANIONS_IC	63.5	66	B17TM6
Sulfide	18496-25-8	WETCHEM	µg/kg	9	1	11	10600	54800	69300	69300	9030_SULFIDE	9030_SULFIDE	174	176.5	B17N69
Water (Vapor)	7732-18-5	WETCHEM	ppm(vv)	65	65	100			2290	16900	H2O_B&K_FLD	H2O_B&K_FLD	184	186.3	B1B7K0

Table A-4. Summary Table for Radiological-Only Constituents in Deep-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Americium-241	14596-10-2	RAD	pCi/g	10	8	80	0.009	0.017	0.038	309000	AMCMISO_IE_PREC_AEA	AMCMISO_EIE_PLT_AEA	109.5	112	B18XR8
Antimony-125	14234-35-6	RAD	pCi/g	12	0	0	-0.057	792			GAMMA_GS	GAMMA_GS			
Carbon-14	14762-75-5	RAD	pCi/g	4	0	0	-13.7	65.9			C14_COX_LSC	C14_COX_LSC			
Cesium-134	13967-70-9	RAD	pCi/g	12	0	0	0.017	298			GAMMA_GS	GAMMA_GS			
Cesium-137	10045-97-3	RAD	pCi/g	14	3	21	-0.045	766	0.047	1.04	GAMMA_GS	GAMMA_GS	109.5	112	B17N57
Cobalt-60	10198-40-0	RAD	pCi/g	14	0	0	-0.025	383			GAMMA_GS	GAMMA_GS			
Europium-152	14683-23-9	RAD	pCi/g	14	1	7	-0.182	701	20.7	20.7	GAMMA_GS	GAMMA_GS	109.5	112	B18XR8
Europium-154	15585-10-1	RAD	pCi/g	14	1	7	-0.027	1020	44	44	GAMMA_GS	GAMMA_GS	109.5	112	B18XR8
Europium-155	14391-16-3	RAD	pCi/g	14	3	21	-0.048	788	0.057	20.6	GAMMA_GS	GAMMA_GS	109.5	112	B18XR8
Gross alpha	12587-46-1	RAD	pCi/g	11	11	100			1.8	296000	ALPHA_GPC	ALPHA_GPC	109.5	112	B18XR8
Gross beta	12587-47-2	RAD	pCi/g	11	11	100			0.63	54800	BETA_GPC	BETA_GPC	109.5	112	B18XR8
Iodine-129	15046-84-1	RAD	pCi/g	4	0	0	-27.5	-0.393			I129_SEP_LEPS_GS	I129_SEP_LEPS_GS			
Neptunium-237	13994-20-2	RAD	pCi/g	11	4	36	-0.003	504	0.005	28.9	NP237_IE_PRECIP_AEA	NP237_LLE_PLATE_AEA	109.5	112	B18XR8
Nickel-63	13981-37-8	RAD	pCi/g	4	1	25	308	1540	2360	2360	NI63_LSC	NI63_LSC	115	117.5	B191Y7
Plutonium-238	13981-16-3	RAD	pCi/g	12	3	25	-0.004	19200	1.6	657	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	109.5	112	B18XR8
Plutonium-239/240	PU-239/240	RAD	pCi/g	12	9	75	0.002	0.006	0.03	115000	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	63.5	66	B17TM6
Potassium-40	13966-00-2	RAD	pCi/g	5	3	60	230	300	15.8	21.6	GAMMA_GS	GAMMA_GS	115	117.5	B191Y7
Protactinium-231	14331-85-2	RAD	pCi/g	4	1	25	0	7.4	12.9	12.9	PA231_IE_PLATE_AEA	PA231_IE_PLATE_AEA	63.5	66	B17TM6-A
Radium-226	13982-63-3	RAD	pCi/g	5	1	20	0.778	43	0.736	0.736	GAMMA_GS	GAMMA_GS	115	117.5	B191Y7
Radium-228	15262-20-1	RAD	pCi/g	5	1	20	2.4	66	2.79	2.79	GAMMA_GS	GAMMA_GS	109.5	112	B17N57
Selenium-79	15758-45-9	RAD	pCi/g	4	0	0	-69.1	-21.3			SE79_SEP_IE_LSC	SE79_SEP_IE_LSC			
Strontium-90	10098-97-2	RAD	pCi/g	3	2	67	7.86	7.86	0.741	13.4	SRISO_SEP_PRECIP_GPC	SRISO_SEP_PRECIP_GPC	63.5	66	B17TM6
Technetium-99	14133-76-7	RAD	pCi/g	4	1	25	-2.26	15.8	18	18	TC99_TR_SEP_GPC	TC99_TR_SEP_GPC	47.5	50	B17N46-A
Thorium-228	14274-82-9	RAD	pCi/g	2	0	0	1.06	2.05			THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA			
Thorium-230	14269-63-7	RAD	pCi/g	2	1	50	43	43	72	72	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	115	117.5	B191Y7
Thorium-232	TH-232	RAD	pCi/g	5	3	60	-10.2	-5.29	0.322	0.698	RADISOTOPES_ICPMS	RADISOTOPES_ICPMS	109.5	112	B18XR8
Total beta radiostrontium	SR-RAD	RAD	pCi/g	2	0	0	-16.5	65.5			SRTOT_SEP_PRECIP_GPC	SRTOT_SEP_PRECIP_GPC			
Tritium	10028-17-8	RAD	pCi/g	6	0	0	-1.1	28.2			TRITIUM_COX_LSC	TRITIUM_COX_LSC			
Uranium-233/234	U-233/234	RAD	pCi/g	8	6	75	0	28.9	0.08	0.69	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	119.5	122	B17N63
Uranium-234	13966-29-5	RAD	pCi/g	3	3	100			0.422	11.8	RADISOTOPES_ICPMS	RADISOTOPES_ICPMS	47.5	50	B17N46
Uranium-235	15117-96-1	RAD	pCi/g	11	7	64	0	1.5	0.0147	0.13	RADISOTOPES_ICPMS	UISO_IE_PRECIP_AEA	119.5	122	B17N63
Uranium-238	U-238	RAD	pCi/g	11	9	82	1.24	14.5	0.094	0.67	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	119.5	122	B17N63

Table A-5. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	33	33			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro-ethane)	72-54-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro-ethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro-ethane)	50-29-3	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Aroclor-1016	12674-11-2	GENORG	µg/kg	8	0	0	15	160			8082_PCB_GC	8082_PCB_GC			
Aroclor-1221	11104-28-2	GENORG	µg/kg	8	0	0	12	110			8082_PCB_GC	8082_PCB_GC			
Aroclor-1232	11141-16-5	GENORG	µg/kg	8	0	0	15	890			8082_PCB_GC	8082_PCB_GC			
Aroclor-1242	53469-21-9	GENORG	µg/kg	8	0	0	15	160			8082_PCB_GC	8082_PCB_GC			
Aroclor-1248	12672-29-6	GENORG	µg/kg	8	2	25	13	56	150	1600	8082_PCB_GC	8082_PCB_GC	63.5	66	B17TM6
Aroclor-1254	11097-69-1	GENORG	µg/kg	8	0	0	7.4	56			8082_PCB_GC	8082_PCB_GC			
Aroclor-1260	11096-82-5	GENORG	µg/kg	8	0	0	15	220			8082_PCB_GC	8082_PCB_GC			
Aroclor-1262	37324-23-5	GENORG	µg/kg	3	0	0	49	56			8082_PCB_GC	8082_PCB_GC			
Aroclor-1268	11100-14-4	GENORG	µg/kg	3	0	0	49	56			8082_PCB_GC	8082_PCB_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Calcium Carbonate	471-34-1	GENORG	%	6	3	50	0	0	1	6	D4373_GASGEN	D4373_GASGEN	117	119.5	B17T82
Carbon Dioxide	124-38-9	GENORG	%(vol)	5	5	100			0	1.3	VOA_GC_FLD	VOA_GC_FLD	90	92.5	B17XB6
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	67	67			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			

Table A-5. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.4	3.4			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methane	74-82-8	GENORG	%(vol)	45	5	11	0	0	0	0.1	GAS_IR_FLD	GAS_IR_FLD	65	66	B17RN3
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Oil and grease	OIL/GREASE	GENORG	µg/kg	9	3	33	133000	720000	107000	2400000	9070_OILGREASE	9070_OILGREASE	63.5	66	B17TM6-B
Oxygen	7782-44-7	GENORG	%(vol)	22	22	100			14.2	19	GAS_IR_FLD	GAS_IR_FLD	49.5	50	B17RM7
Total Inorganic Carbon	TINC	GENORG	µg/kg	8	5	62	4700	60300	23800	5440000	9060_TOC	415.1_TOC	119.5	122	B17N65
Total organic carbon	TOC	GENORG	µg/kg	8	6	75	39500	97900	76500	2600000	9060_TOC	415.1_TOC	119.5	122	B17N65
Total petroleum hydrocarbons diesel range	TPHDIESEL	GENORG	µg/kg	9	0	0	20.9	13600			WTPH_DIESEL	WTPH_DIESEL			
Total petroleum hydrocarbons kerosene range	TPHKEROSENE	GENORG	µg/kg	9	0	0	20.9	13600			WTPH_DIESEL	WTPH_DIESEL			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			
Aluminum	7429-90-5	METAL	µg/kg	9	9	100			4970000	13100000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Antimony	7440-36-0	METAL	µg/kg	12	4	33	250	9320	828	4630	6010_METALS_ICP	6010_METALS_ICP	63.5	66	B17TM6
Arsenic	7440-38-2	METAL	µg/kg	12	8	67	1200	10300	1620	11000	6010_METALS_ICP	6010_METALS_ICP	47.5	50	B17N46
Barium	7440-39-3	METAL	µg/kg	12	12	100			36000	112000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Beryllium	7440-41-7	METAL	µg/kg	12	10	83	270	1430	280	640	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Bismuth	7440-69-9	METAL	µg/kg	12	0	0	240	10400			6010_METALS_ICP	6010_METALS_ICP			
Cadmium	7440-43-9	METAL	µg/kg	12	8	67	70	75	1270	40200	6010_METALS_ICP	6010_METALS_ICP	90	92.5	B17N52
Calcium	7440-70-2	METAL	µg/kg	9	9	100			2310000	32900000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Chromium	7440-47-3	METAL	µg/L	2	1	50	8.8	8.8	8.66	8.66	TCLP_200.8_MET_ICP	TCLP_200.8_MET_ICP	119.5	122	B17N63
Chromium	7440-47-3	METAL	µg/kg	12	12	100			12200	162000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Cobalt	7440-48-4	METAL	µg/kg	9	9	100			5800	20600	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Copper	7440-50-8	METAL	µg/kg	12	12	100			7000	26300	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Hexavalent Chromium	18540-29-9	METAL	µg/kg	8	1	12	210	400	750	750	7196_CR6	7196_CR6	63.5	66	B17TM6-B
Iron	7439-89-6	METAL	µg/kg	9	9	100			12600000	49400000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Lead	7439-92-1	METAL	µg/kg	12	8	67	63	63	3800	620000	6010_METALS_ICP	6010_METALS_ICP	115	117.5	B191Y7
Lithium	7439-93-2	METAL	µg/kg	12	12	100			5060	11900	6010_METALS_ICP	6010_METALS_ICP	115	117.5	B191Y7
Magnesium	7439-95-4	METAL	µg/kg	9	9	100			3120000	7130000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Manganese	7439-96-5	METAL	µg/kg	12	12	100			157000	2240000	6010_METALS_ICP	6010_METALS_ICP	184	186.5	B17N70
Mercury	7439-97-6	METAL	µg/kg	12	7	58	10	987	90	1020	7471_HG_CVAA	200.8_METALS_ICPMS	174	176.5	B17N67
Nickel	7440-02-0	METAL	µg/kg	12	12	100			8280	72900	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Phosphorus	7723-14-0	METAL	µg/kg	12	12	100			464000	1470000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Potassium	7440-09-7	METAL	µg/kg	9	9	100			89800	1730000	6010_METALS_ICP	6010_METALS_ICP	115	117.5	B191Y7
Selenium	7782-49-2	METAL	µg/kg	12	2	17	320	10500	1990	3760	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Silver	7440-22-4	METAL	µg/kg	12	6	50	60	1110	958	2880	6010_METALS_ICP	6010_METALS_ICP	174	176.5	B17N67
Sodium	7440-23-5	METAL	µg/kg	9	9	100			145000	2660000	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N63
Strontium	7440-24-6	METAL	µg/kg	12	12	100			11700	87100	6010_METALS_ICP	6010_METALS_ICP	119.5	122	B17N65
Uranium	7440-61-1	METAL	µg/kg	11	8	73	158	995	382	3140	200.8_METALS_ICPMS	UTOT_KPA	115	117.5	B191Y7
Vanadium	7440-62-2	METAL	µg/kg	9	9	100			23300	137000	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60

Table A-5. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Zinc	7440-66-6	METAL	µg/kg	12	12	100			31900	65800	6010_METALS_ICP	6010_METALS_ICP	117	119.5	B17N60
Bulk density - dry	~~BULKDENSITY-DRY~~	PHYSICAL	kg/m3	5	5	100			1430	2102	D2937_DENSITY	D2937_DENSITY	184	186.5	B17T84
Bulk density - wet	~~BULKDENSITY-WET~~	PHYSICAL	kg/m3	5	5	100			1608	2150	D2937_DENSITY	D2937_DENSITY	184	186.5	B17T84
Cation Exchange Capacity	CEC	PHYSICAL	mEQ/100g	6	6	100			2.8	25.6	9081_CATIONEXCH	9081_CATIONEXCH	226.5	229	B17NL7
Hydraulic Conductivity	HYDCON	PHYSICAL	cm/s	5	5	100			0.00000034	0.000029	D5084_HYDRCON	D5084_HYDRCON	224	226.5	B17NL4
Percent moisture (dry sample)	%MOISTURE-D	PHYSICAL	%	6	6	100			2.9	23.6	D2216_%MOIS	D2216_%MOIS	115	117.5	B191Y6
Percent moisture (wet sample)	%MOISTURE	PHYSICAL	%	6	6	100			2.8	19.1	D2216_%MOIS	D2216_%MOIS	115	117.5	B191Y6
Percent passing 1.5 inch sieve	PAS1.5IN	PHYSICAL	%	6	6	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing 3 inch sieve	PAS3IN	PHYSICAL	%	6	6	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing 3/4 inch sieve	PAS3/4IN	PHYSICAL	%	6	6	100			81.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing 3/8 inch sieve	PAS3/8IN	PHYSICAL	%	6	6	100			50.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing No.10 sieve	PAS#10	PHYSICAL	%	6	6	100			30.7	100	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.100 sieve	PAS#100	PHYSICAL	%	6	6	100			17.3	96.2	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.140 sieve	PAS#140	PHYSICAL	%	6	6	100			15	90.8	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.20 sieve	PAS#20	PHYSICAL	%	6	6	100			27.4	100	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.200 sieve	PAS#200	PHYSICAL	%	6	6	100			12	75.5	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.4 sieve	PAS#4	PHYSICAL	%	6	6	100			36.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	90	92.5	B17N53
Percent passing No.40 sieve	PAS#40	PHYSICAL	%	6	6	100			25.2	100	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent passing No.60 sieve	PAS#60	PHYSICAL	%	6	6	100			22.4	99.1	D422_PARTCLSIZE	D422_PARTCLSIZE	115	117.5	B191Y6
Percent Solids	%SOLIDS	PHYSICAL	%	5	5	100			80.9	97.2	%SOLIDS	%SOLIDS	184	186.5	B17T84
pH Measurement	PH	PHYSICAL	pH	10	10	100			3.86	9.379	9045_PH	150.1_PH	184	186.5	B17N70
Specific Gravity	SPECGVTY	PHYSICAL	unitless	5	5	100			2.7201	2.8383	D854_PARTLDEN	D854_PARTLDEN	119.5	122	B17RM3
1,2,4-Trichlorobenzene	120-82-1	SVOA	µg/kg	12	0	0	300	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	SVOA	µg/kg	6	0	0	120	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2-Dichlorobenzene	95-50-1	SVOA	µg/kg	9	0	0	330	410			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,3-Dichlorobenzene	541-73-1	SVOA	µg/kg	9	0	0	330	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,4-Dichlorobenzene	106-46-7	SVOA	µg/kg	12	0	0	320	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,5-Trichlorophenol	95-95-4	SVOA	µg/kg	9	0	0	75	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,6-Trichlorophenol	88-06-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dichlorophenol	120-83-2	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dimethylphenol	105-67-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrophenol	51-28-5	SVOA	µg/kg	9	0	0	680	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrotoluene	121-14-2	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dinitrotoluene	606-20-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-5. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
2,6-di-tert-Butyl-p-benzoquinone	719-22-2	SVOA	µg/kg	2	2	100			4.5	6.2	1625_SVOA_GCMS	1625_SVOA_GCMS	117	119.5	B17N64
2-Chloronaphthalene	91-58-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chlorophenol	95-57-8	SVOA	µg/kg	12	0	0	150	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylnaphthalene	91-57-6	SVOA	µg/kg	9	0	0	180	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylphenol (cresol, o-)	95-48-7	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitroaniline	88-74-4	SVOA	µg/kg	9	0	0	68	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitrophenol	88-75-5	SVOA	µg/kg	9	0	0	180	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
3,3'-Dichlorobenzidine	91-94-1	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
3+4 Methylphenol (cresol, m+p)	65794-96-9	SVOA	µg/kg	9	0	0	120	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
3-Nitroaniline	99-09-2	SVOA	µg/kg	9	0	0	68	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
4,6-Dinitro-2-methylphenol	534-52-1	SVOA	µg/kg	9	0	0	680	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Bromophenylphenyl ether	101-55-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloro-3-methylphenol	59-50-7	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloroaniline	106-47-8	SVOA	µg/kg	9	0	0	96	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chlorophenylphenyl ether	7005-72-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Methylphenol (cresol, p-)	106-44-5	SVOA	µg/kg	4	0	0	330	960			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitroaniline	100-01-6	SVOA	µg/kg	9	0	0	250	940			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitrophenol	100-02-7	SVOA	µg/kg	12	0	0	660	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthene	83-32-9	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthylene	208-96-8	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Anthracene	120-12-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)anthracene	56-55-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)pyrene	50-32-8	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(b)fluoranthene	205-99-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(ghi)perylene	191-24-2	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(k)fluoranthene	207-08-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloro-1-methylethyl)ether	108-60-1	SVOA	µg/kg	9	0	0	260	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-Chloroethoxy)methane	111-91-1	SVOA	µg/kg	9	0	0	120	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloroethyl) ether	111-44-4	SVOA	µg/kg	9	0	0	250	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-ethylhexyl) phthalate	117-81-7	SVOA	µg/kg	9	0	0	330	630			8270_SVOA_GCMS	8270_SVOA_GCMS			
Butylbenzylphthalate	85-68-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Carbazole	86-74-8	SVOA	µg/kg	9	0	0	82	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Chrysene	218-01-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Cyclohexanone	108-94-1	SVOA	µg/kg	6	0	0	340	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenz[a,h]anthracene	53-70-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenzofuran	132-64-9	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Diethylphthalate	84-66-2	SVOA	µg/kg	9	2	22	190	380	220	230	8270_SVOA_GCMS	8270_SVOA_GCMS	224	226.5	B17N73
Dimethyl phthalate	131-11-3	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Di-n-butylphthalate	84-74-2	SVOA	µg/kg	9	3	33	89	380	94	220	8270_SVOA_GCMS	8270_SVOA_GCMS	224	226.5	B17N73
Di-n-octylphthalate	117-84-0	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluoranthene	206-44-0	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluorene	86-73-7	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobenzene	118-74-1	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-5. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Hexachlorobutadiene	87-68-3	SVOA	µg/kg	9	0	0	330	410			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorocyclopentadiene	77-47-4	SVOA	µg/kg	9	0	0	320	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachloroethane	67-72-1	SVOA	µg/kg	9	0	0	330	530			8270_SVOA_GCMS	8270_SVOA_GCMS			
Indeno(1,2,3-cd)pyrene	193-39-5	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Isophorone	78-59-1	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Naphthalene	91-20-3	SVOA	µg/kg	9	0	0	290	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Nitrobenzene	98-95-3	SVOA	µg/kg	9	0	0	270	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodi-n-dipropylamine	621-64-7	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodiphenylamine	86-30-6	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pentachlorophenol	87-86-5	SVOA	µg/kg	12	0	0	310	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenanthrene	85-01-8	SVOA	µg/kg	9	0	0	68	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenol	108-95-2	SVOA	µg/kg	12	0	0	100	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenyl sulfone	127-63-9	SVOA	µg/kg	1	1	100			240	240	8270_SVOA_GCMS	8270_SVOA_GCMS	226.5	229	B17NL5
Pyrene	129-00-0	SVOA	µg/kg	12	0	0	68	160000			8270_SVOA_GCMS	8270_SVOA_GCMS			
Tributyl phosphate	126-73-8	SVOA	µg/kg	12	3	25	68	960	35000	2100000	8270_SVOA_GCMS	8270_SVOA_GCMS	63.5	66	B17TM6
1,1,1-Trichloroethane	71-55-6	VOA	µg/kg	19	0	0	0.59	140			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2,2-Tetrachloroethane	79-34-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2-Trichloroethane	79-00-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethane	75-34-3	VOA	µg/kg	19	0	0	0.67	300			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethene	75-35-4	VOA	µg/kg	19	1	5	0.64	150	1.1	1.1	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
1,2-Dichloroethane	107-06-2	VOA	µg/kg	19	0	0	0.64	150			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethene (Total)	540-59-0	VOA	µg/kg	19	0	0	1.2	270			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloropropane	78-87-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
1-Butanol	71-36-3	VOA	µg/kg	11	5	45	38	43	76.174	1500	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
2-Butanone	78-93-3	VOA	µg/kg	19	6	32	1.9	160	22	80	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
2-Butanone	78-93-3	VOA	ppm(v/v)	34	18	53	1	1.28	1.05	3.25	VOA_B&K_FLD	VOA_B&K_FLD	110	112	B17XB9
2-Ethyl-1-hexanol	104-76-7	VOA	µg/kg	2	2	100			8.5	24	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
2-Hexanone	591-78-6	VOA	µg/kg	13	4	31	1.9	11	1.3	7.6	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
2-Methyl-2-Propanol	75-65-0	VOA	µg/kg	1	1	100			4.3	4.3	8260_VOA_GCMS	8260_VOA_GCMS	90	92.5	B17N61
2-Pentanone	107-87-9	VOA	µg/kg	2	2	100			6	6.6	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64
2-Pentanone, 4-Methyl	108-10-1	VOA	µg/kg	19	1	5	0.62	140	1.2	1.2	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64
2-Propanol	67-63-0	VOA	µg/kg	1	1	100			10	10	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Acetone	67-64-1	VOA	µg/kg	19	10	53	1.9	180	9	660	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N68
Acetonitrile	75-05-8	VOA	µg/kg	9	0	0	3.8	22			8260_VOA_GCMS	8260_VOA_GCMS			
Benzene	71-43-2	VOA	µg/kg	19	1	5	0.56	130	0.97	0.97	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Benzoic acid, 2-[(trimethylsilyl)oxy]-,trimethylsilyl ester	3789-85-3	VOA	µg/kg	1	1	100			6.3	6.3	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Bromodichloromethane	75-27-4	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Bromoform	75-25-2	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Bromomethane	74-83-9	VOA	µg/kg	9	1	11	1.9	10	31	31	8260_VOA_GCMS	8260_VOA_GCMS	119.5	122	B18XT1
Butyraldehyde	123-72-8	VOA	µg/kg	1	1	100			18	18	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
Carbon Dioxide	124-38-9	VOA	%(vol)	40	20	50	0	0	0	3.2	VOA_GC_FLD	VOA_GC_FLD	66	67	B17X90
Carbon disulfide	75-15-0	VOA	µg/kg	10	1	10	1.9	11	11	11	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B18XT1
Carbon tetrachloride	56-23-5	VOA	ppm(v/v)	65	56	86	1	25.6	1.01	9700	VOA_B&K_FLD	VOA_B&K_FLD	110	112	B17XB9
Carbon tetrachloride	56-23-5	VOA	µg/kg	19	7	37	1.9	240	14	380000	8260_VOA_GCMS	8260_VOA_GCMS	63.5	66	B17TM6

Table A-5. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-46 (Vertical Borehole C3426)															
Chlorobenzene	108-90-7	VOA	µg/kg	19	1	5	0.64	150	0.98	0.98	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Chloroethane	75-00-3	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroform	67-66-3	VOA	ppm(v/v)	65	45	69	1	1.26	1.06	130	VOA_B&K_FLD	VOA_B&K_FLD	66	67	B17X92
Chloroform	67-66-3	VOA	µg/kg	19	6	32	0.78	140	0.96	4900	8260_VOA_GCMS	8260_VOA_GCMS	63.5	66	B17TM6
Chloromethane	74-87-3	VOA	µg/kg	19	1	5	1.4	620	110	110	8260_VOA_GCMS	8260_VOA_GCMS	119.5	122	B18XT1
cis-1,2-Dichloroethylene	156-59-2	VOA	µg/kg	7	0	0	1.9	5			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,3-Dichloropropene	10061-01-5	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Dibromochloromethane	124-48-1	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Ethylbenzene	100-41-4	VOA	µg/kg	19	0	0	0.82	190			8260_VOA_GCMS	8260_VOA_GCMS			
Hexachloroethane	67-72-1	VOA	µg/kg	2	2	100			5.2	15	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Hexanal	66-25-1	VOA	µg/kg	1	1	100			13	13	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Hexane	110-54-3	VOA	µg/kg	9	1	11	1.9	11	2	2	8260_VOA_GCMS	8260_VOA_GCMS	90	92.5	B17N52
Methylene chloride	75-09-2	VOA	ppm(v/v)	34	33	97	1.08	1.08	1.04	37	VOA_B&K_FLD	VOA_B&K_FLD	110	112	B17XC3
Methylene chloride	75-09-2	VOA	µg/kg	19	2	11	1.1	250	12	20	8260_VOA_GCMS	8260_VOA_GCMS	119.5	122	B18XT1
n-Butylbenzene	104-51-8	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Nitromethane	75-52-5	VOA	µg/kg	1	1	100			5.5	5.5	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
n-Valeraldehyde	110-62-3	VOA	µg/kg	1	1	100			8.9	8.9	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Styrene	100-42-5	VOA	µg/kg	10	2	20	1.9	11	2.9	3.4	8260_VOA_GCMS	8260_VOA_GCMS	184	186.5	B17N70
Tetrachloroethene	127-18-4	VOA	µg/kg	19	5	26	0.76	130	0.94	17000	8260_VOA_GCMS	8260_VOA_GCMS	63.5	66	B17TM6
Tetrahydrofuran	109-99-9	VOA	µg/kg	5	5	100			9.6	112	8260_VOA_GCMS	8260_VOA_GCMS	109.5	112	B18XW3
Toluene	108-88-3	VOA	µg/kg	19	2	11	0.54	130	0.97	1.3	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64
trans-1,2-Dichloroethylene	156-60-5	VOA	µg/kg	7	0	0	1.9	5			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,3-Dichloropropene	10061-02-6	VOA	µg/kg	9	0	0	1.9	11			8260_VOA_GCMS	8260_VOA_GCMS			
Tribromoethylene	598-16-3	VOA	µg/kg	1	1	100			5.7	5.7	8260_VOA_GCMS	8260_VOA_GCMS	117	119.5	B17N64-A
Trichloroethene	79-01-6	VOA	µg/kg	19	1	5	0.72	170	1.1	1.1	8260_VOA_GCMS	8260_VOA_GCMS	115	117.5	B191Y4
Vinyl chloride	75-01-4	VOA	µg/kg	19	0	0	1.3	560			8260_VOA_GCMS	8260_VOA_GCMS			
Xylenes (total)	1330-20-7	VOA	µg/kg	19	0	0	1.3	310			8260_VOA_GCMS	8260_VOA_GCMS			
Ammonia	7664-41-7	WETCHEM	µg/kg	1	1	100			7050	7050	350.3_AMMONIA	350.3_AMMONIA	90	92.5	B17N52
Ammonium ion	14798-03-9	WETCHEM	µg/kg	9	7	78	22100	28600	923	192000	300.7_IC	300.7_IC	109.5	112	B18XR8
Chloride	16887-00-6	WETCHEM	µg/kg	12	12	100			3300	51400	300.0_ANIONS_IC	300.0_ANIONS_IC	63.5	66	B17TM6
Cyanide	57-12-5	WETCHEM	µg/kg	10	0	0	200	624			335.2_CYANIDE	9010_CYANIDE			
Fluoride	16984-48-8	WETCHEM	µg/kg	12	7	58	1150	24900	2400	7800	300.0_ANIONS_IC	300.0_ANIONS_IC	90	92.5	B17N52
Nitrate	14797-55-8	WETCHEM	µg/kg	12	12	100			28900	5910000	300.0_ANIONS_IC	300.0_ANIONS_IC	109.5	112	B18XR8
Nitrite	14797-65-0	WETCHEM	µg/kg	12	3	25	1420	224000	2060	12100	300.0_ANIONS_IC	300.0_ANIONS_IC	47.5	50	B17N46
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	WETCHEM	µg/kg	8	8	100			7500	432000	353.2_NO3/NO2	353.2_NO3/NO2	119.5	122	B17N65
Phosphate	14265-44-2	WETCHEM	µg/kg	12	0	0	1200	249000			300.0_ANIONS_IC	300.0_ANIONS_IC			
Sulfate	14808-79-8	WETCHEM	µg/kg	12	9	75	1200	287000	8100	456000	300.0_ANIONS_IC	300.0_ANIONS_IC	63.5	66	B17TM6
Sulfide	18496-25-8	WETCHEM	µg/kg	9	1	11	10600	54800	69300	69300	9030_SULFIDE	9030_SULFIDE	174	176.5	B17N69
Water (Vapor)	7732-18-5	WETCHEM	ppm(vv)	65	65	100			2290	16900	H2O_B&K_FLD	H2O_B&K_FLD	184	186.3	B1B7K0

Table A-6. Summary Table for All Constituents in Shallow-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
2-(2-methyl-4-chlorophenoxy) propionic acid	93-65-2	GENORG	µg/kg	1	0	0	1300	1300			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	5.3	5.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	3.5	3.5			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	31	31			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	26	26			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2-Methyl-4 chlorophenoxyacetic acid	94-74-6	GENORG	µg/kg	1	0	0	830	830			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro ethane)	72-54-8	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro ethylene)	72-55-9	GENORG	µg/kg	1	0	0	0.41	0.41			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro ethane)	50-29-3	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	0.65	0.65			8081_PEST_GC	8081_PEST_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	1.6	1.6			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	0.29	0.29			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	6.3	6.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	0.13	0.13			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	0.25	0.25			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	0.27	0.27			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	0.15	0.15			8081_PEST_GC	8081_PEST_GC			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	7	7			8081_PEST_GC	8081_PEST_GC			
Total solids	TS	PHYSICAL	%	1	1	100			6.7	6.7	160.3_TOTSOLIDS	160.3_TOTSOLIDS		0.5	B1HL28

Table A-7. Summary Table for Nonradiological Constituents in Shallow-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
2-(2-methyl-4-chlorophenoxy) propionic acid	93-65-2	GENORG	µg/kg	1	0	0	1300	1300			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	5.3	5.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	3.5	3.5			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	31	31			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	26	26			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2-Methyl-4 chlorophenoxyacetic acid	94-74-6	GENORG	µg/kg	1	0	0	830	830			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	GENORG	µg/kg	1	0	0	0.41	0.41			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	0.65	0.65			8081_PEST_GC	8081_PEST_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	1.6	1.6			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	0.29	0.29			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	6.3	6.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	0.13	0.13			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	0.25	0.25			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	0.27	0.27			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	0.15	0.15			8081_PEST_GC	8081_PEST_GC			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	7	7			8081_PEST_GC	8081_PEST_GC			
Total solids	TS	PHYSICAL	%	1	1	100			6.7	6.7	160.3_TOTSOLIDS	160.3_TOTSOLIDS		0.5	B1HL28

Table A-8. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
2-(2-methyl-4-chlorophenoxy) propionic acid	93-65-2	GENORG	µg/kg	1	0	0	1300	1300			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	5.3	5.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	3.5	3.5			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	31	31			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	26	26			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2-Methyl-4 chlorophenoxyacetic acid	94-74-6	GENORG	µg/kg	1	0	0	830	830			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro ethane)	72-54-8	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro ethylene)	72-55-9	GENORG	µg/kg	1	0	0	0.41	0.41			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro ethane)	50-29-3	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	0.65	0.65			8081_PEST_GC	8081_PEST_GC			
Aroclor-1016	12674-11-2	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1221	11104-28-2	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1232	11141-16-5	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1242	53469-21-9	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1248	12672-29-6	GENORG	µg/kg	11	2	18	6.4	140	270	1300	8082_PCB_GC	8082_PCB_GC	70	72	B1HK32
Aroclor-1254	11097-69-1	GENORG	µg/kg	11	0	0	4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1260	11096-82-5	GENORG	µg/kg	11	0	0	4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1262	37324-23-5	GENORG	µg/kg	10	0	0	4	12			8082_PCB_GC	8082_PCB_GC			
Aroclor-1268	11100-14-4	GENORG	µg/kg	10	0	0	4	12			8082_PCB_GC	8082_PCB_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Calcium Carbonate	471-34-1	GENORG	%	4	4	100			0	22	D4373_GASGEN	D4373_GASGEN	131.5	133	B1HK67
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	1.6	1.6			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	0.29	0.29			8081_PEST_GC	8081_PEST_GC			

Table A-8. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	6.3	6.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	0.13	0.13			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	0.25	0.25			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	0.27	0.27			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	0.15	0.15			8081_PEST_GC	8081_PEST_GC			
Oil and grease	OIL/GREASE	GENORG	µg/kg	12	2	17	1000	702000	395000	2440000	413.1_OILGREASE	413.1_OILGREASE	70	72	B1HK32
Total Inorganic Carbon	TINC	GENORG	µg/kg	13	6	46	8200	9800	8600	3280000	9060_TOC	415.1_TOC	135	140	B1HL26
Total organic carbon	TOC	GENORG	µg/kg	12	9	75	23200	1050000	63400	3660000	415.1_TOC	9060_TOC	122.5	124.5	B1HK57
Total petroleum hydrocarbons diesel range	TPHDIESEL	GENORG	µg/kg	7	0	0	1600	1700			WTPH_DIESEL	WTPH_DIESEL			
Total petroleum hydrocarbons kerosene range	TPH-KEROSENE	GENORG	µg/kg	7	0	0	520	550			WTPH_DIESEL	WTPH_DIESEL			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	7	7			8081_PEST_GC	8081_PEST_GC			
Aluminum	7429-90-5	METAL	µg/kg	12	12	100			6080000	13000000	6010_METALS_ICP	6010_METALS_ICP_TR	118.5	120.5	B1HK42
Antimony	7440-36-0	METAL	µg/kg	12	8	67	2340	2520	500	2400	6010_METALS_ICP_TR	6010_METALS_ICP_TR	135	140	B1HL26
Arsenic	7440-38-2	METAL	µg/kg	12	11	92	2050	2050	3000	8400	6010_METALS_ICP	6010_METALS_ICP	131.5	133	B1HK67
Barium	7440-39-3	METAL	µg/kg	12	12	100			37300	109000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Beryllium	7440-41-7	METAL	µg/kg	12	12	100			130	680	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Bismuth	7440-69-9	METAL	µg/kg	12	8	67	2050	2220	53600	156000	6010_METALS_ICP_TR	6010_METALS_ICP_TR	135	140	B1HL26
Cadmium	7440-43-9	METAL	µg/kg	12	10	83	99	140	145	118000	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Calcium	7440-70-2	METAL	µg/kg	12	12	100			2240000	209000000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Chromium	7440-47-3	METAL	µg/kg	12	12	100			6650	22800	6010_METALS_ICP	6010_METALS_ICP_TR	52.5	54.5	B1HKB3
Cobalt	7440-48-4	METAL	µg/kg	12	12	100			5190	13600	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Copper	7440-50-8	METAL	µg/kg	12	12	100			9100	19900	6010_METALS_ICP_TR	6010_METALS_ICP	122.5	124.5	B1HK57
Hexavalent Chromium	18540-29-9	METAL	µg/kg	12	2	17	150	180	220	450	7196_CR6	7196_CR6	52.5	54.5	B1HKB3
Iron	7439-89-6	METAL	µg/kg	12	12	100			9230000	24000000	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Lead	7439-92-1	METAL	µg/kg	12	12	100			2390	17000	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Lithium	7439-93-2	METAL	µg/kg	12	12	100			5280	16100	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Magnesium	7439-95-4	METAL	µg/kg	12	12	100			3710000	7900000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Manganese	7439-96-5	METAL	µg/kg	12	12	100			170000	508000	6010_METALS_ICP_TR	6010_METALS_ICP	122.5	124.5	B1HK57
Mercury	7439-97-6	METAL	µg/kg	12	12	100			40.5	799	7471_HG_CVAA	7471_HG_CVAA	100	102	B1HK52
Nickel	7440-02-0	METAL	µg/kg	12	12	100			5670	23300	6010_METALS_ICP	6010_METALS_ICP_TR	100	102	B1HK52
Phosphorus	7723-14-0	METAL	µg/kg	12	12	100			426000	1220000	6010_METALS_ICP	6010_METALS_ICP	128.5	130.5	B1HK62
Potassium	7440-09-7	METAL	µg/kg	12	12	100			530000	1990000	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Selenium	7782-49-2	METAL	µg/kg	12	8	67	180	1820	280	2930	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Silver	7440-22-4	METAL	µg/kg	12	3	25	197	210	565	1230	6010_METALS_ICP	6010_METALS_ICP	135	140	B1HK77
Sodium	7440-23-5	METAL	µg/kg	12	11	92	1950000	1950000	144000	1330000	6010_METALS_ICP_TR	6010_METALS_ICP_TR	100	102	B1HK52
Strontium	7440-24-6	METAL	µg/kg	12	12	100			15900	264000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Vanadium	7440-62-2	METAL	µg/kg	12	12	100			22200	71400	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Zinc	7440-66-6	METAL	µg/kg	12	12	100			33800	84000	6010_METALS_ICP_TR	6010_METALS_ICP	135	140	B1HK77
Bulk density - dry	BULKDENSITY-DRY	PHYSICAL	kg/m3	4	4	100			1260	1914	D2937_DENSITY	D2937_DENSITY	131.5	133	B1HK67

Table A-8. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Bulk density - wet	BULKDENSITY-WET	PHYSICAL	kg/m3	4	4	100			1410	2198	D2937_DENSITY	D2937_DENSITY	131.5	133	B1HK67
Cation Exchange Capacity	CEC	PHYSICAL	mEQ/100g	12	12	100			4.8	14.9	9081_CATIONEXCH	9081_CATIONEXCH	131.5	133	B1HK67
Hydraulic Conductivity	HYDCON	PHYSICAL	cm/s	4	4	100			0.0000028	0.000043	D5084_HYDRCON	D5084_HYDRCON	100	102	B1HK52
Percent moisture (dry sample)	%MOISTURE-D	PHYSICAL	%	4	4	100			6	24.7	D2216_%MOIS	D2216_%MOIS	128.5	130.5	B1HK62
Percent moisture (wet sample)	%MOISTURE	PHYSICAL	%	4	4	100			5.6	19.8	D2216_%MOIS	D2216_%MOIS	128.5	130.5	B1HK62
Percent passing 1.5 inch sieve	PAS1.5IN	PHYSICAL	%	4	4	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK62
Percent passing 3 inch sieve	PAS3IN	PHYSICAL	%	4	4	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK62
Percent passing 3/4 inch sieve	PAS3/4IN	PHYSICAL	%	4	4	100			86	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK57
Percent passing 3/8 inch sieve	PAS3/8IN	PHYSICAL	%	4	4	100			77.9	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK62
Percent passing No.10 sieve	PAS#10	PHYSICAL	%	4	4	100			69.9	100	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.100 sieve	PAS#100	PHYSICAL	%	4	4	100			53.3	94.2	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.140 sieve	PAS#140	PHYSICAL	%	4	4	100			47.8	91.7	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.20 sieve	PAS#20	PHYSICAL	%	4	4	100			68.2	99.9	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.200 sieve	PAS#200	PHYSICAL	%	4	4	100			31.1	87.9	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.4 sieve	PAS#4	PHYSICAL	%	4	4	100			73.5	100	D422_PARTCLSIZE	D422_PARTCLSIZE	122.5	124.5	B1HK57
Percent passing No.40 sieve	PAS#40	PHYSICAL	%	4	4	100			64.5	99.7	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.60 sieve	PAS#60	PHYSICAL	%	4	4	100			60.1	97.6	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent Solids	%SOLIDS	PHYSICAL	%	2	2	100			80.2	85.7	%SOLIDS	%SOLIDS	131.5	133	B1HK67
Specific Gravity	SPECGVTY	PHYSICAL	unitless	4	4	100			2.7102	2.8049	D854_PARTLDEN	D854_PARTLDEN	122.5	124.5	B1HK57
Total solids	TS	PHYSICAL	%	29	29	100			1.9	73.2	160.3_TOTSOLIDS	160.3_TOTSOLIDS	135	140	B1HL23
Americium-241	14596-10-2	RAD	pCi/g	12	12	100			0.48	131000	AMCMISO_IE_PREC_AEA	AMCMISO_IE_PLATE_AEA	118.5	120.5	B1HK42
Antimony-125	14234-35-6	RAD	pCi/g	14	0	0	-0.013	5.3			GAMMA_GS	GAMMA_GS			
Cesium-134	13967-70-9	RAD	pCi/g	14	0	0	0.006	2.6			GAMMA_GS	GAMMA_GS			
Cesium-137	10045-97-3	RAD	pCi/g	16	6	38	-0.006	2.1	0.291	0.632	GAMMA_GS	GAMMA_GS	70	72	B1HK32
Cobalt-60	10198-40-0	RAD	pCi/g	16	0	0	-0.004	2.9			GAMMA_GS	GAMMA_GS			
Europium-152	14683-23-9	RAD	pCi/g	16	2	12	-0.005	6	0.843	3.16	GAMMA_GS	GAMMA_GS	70	72	B1HK32
Europium-154	15585-10-1	RAD	pCi/g	16	0	0	-0.011	8.5			GAMMA_GS	GAMMA_GS			
Europium-155	14391-16-3	RAD	pCi/g	16	2	12	0.028	16	0.115	0.131	GAMMA_GS	GAMMA_GS	122.5	124.5	B1HK53
Neptunium-237	13994-20-2	RAD	pCi/g	12	1	8	0	224	10.5	10.5	NP237_LLE_PLATE_AEA	NP237_LLE_PLATE_AEA	122.5	124.5	B1HK57
Plutonium-238	13981-16-3	RAD	pCi/g	12	4	33	-218	1320	0.41	3680	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	70	72	B1HK32
Plutonium-239/240	PU-239/240	RAD	pCi/g	12	12	100			0.14	254000	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	70	72	B1HK32

Table A-8. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Potassium-40	13966-00-2	RAD	pCi/g	12	9	75	20	65	2.22	29.4	GAMMA_GS	GAMMA_GS	118.5	120.5	B1HK42
Radium-226	13982-63-3	RAD	pCi/g	13	8	62	0.584	4.3	0.48	2.16	GAMMA_GS	GAMMA_GS	131.5	133	B1HK67
Radium-228	15262-20-1	RAD	pCi/g	13	7	54	0.29	21	0.31	1.64	GAMMA_GS	GAMMA_GS	70	72	B1HK32
Technetium-99	14133-76-7	RAD	pCi/g	12	4	33	-4.77	7.61	14.3	272	TC99_TR_SEP_GPC	TC99_TR_SEP_GPC	70	72	B1HK32
Thorium-228	14274-82-9	RAD	pCi/g	12	4	33	-58.1	166	0.542	2.2	THISO_IE_PLATE_AEA	THISO_IE_PRECIP_AEA	135	140	B1HL26
Thorium-230	14269-63-7	RAD	pCi/g	12	3	25	-231	102	1.57	7.34	THISO_IE_PLATE_AEA	THISO_IE_PRECIP_AEA	135	140	B1HL26
Thorium-232	TH-232	RAD	pCi/g	12	4	33	-57.8	57.9	0.451	1.89	THISO_IE_PLATE_AEA	THISO_IE_PRECIP_AEA	135	140	B1HL26
Total beta radiostrontium	SR-RAD	RAD	pCi/g	12	2	17	-760	7.19	0.22	1.18	SRTOT_SEP_PRECIP_GPC	SRTOT_SEP_PRECIP_GPC	131.5	133	B1HK67
Tritium	10028-17-8	RAD	pCi/g	12	0	0	-3.22	37.8			TRITIUM_COX_LSC	906.0_H3_LSC			
Uranium-233/234	U-233/234	RAD	pCi/g	12	4	33	-17.8	50.3	0.16	0.68	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	131.5	133	B1HK63
Uranium-235	15117-96-1	RAD	pCi/g	12	1	8	-24.4	79.8	0.03	0.03	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	131.5	133	B1HK63
Uranium-238	U-238	RAD	pCi/g	12	4	33	-17.8	66	0.18	0.56	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	131.5	133	B1HK63
1,1'-Biphenyl	92-52-4	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trichlorobenzene	120-82-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	SVOA	µg/kg	3	0	0	120	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2-Dichlorobenzene	95-50-1	SVOA	µg/kg	12	0	0	35	470			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,3-Dichlorobenzene	541-73-1	SVOA	µg/kg	12	0	0	35	600			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,4-Dichlorobenzene	106-46-7	SVOA	µg/kg	12	0	0	35	500			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,5-Trichlorophenol	95-95-4	SVOA	µg/kg	12	0	0	35	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,6-Trichlorophenol	88-06-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dichlorophenol	120-83-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dimethylphenol	105-67-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrophenol	51-28-5	SVOA	µg/kg	12	0	0	350	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrotoluene	121-14-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dinitrotoluene	606-20-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chloronaphthalene	91-58-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chlorophenol	95-57-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylnaphthalene	91-57-6	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylphenol (cresol, o-)	95-48-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitroaniline	88-74-4	SVOA	µg/kg	12	0	0	35	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitrophenol	88-75-5	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
3,3'-Dichlorobenzidine	91-94-1	SVOA	µg/kg	12	0	0	35	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
3+4 Methylphenol (cresol, m+p)	65794-96-9	SVOA	µg/kg	11	0	0	70	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
3-Nitroaniline	99-09-2	SVOA	µg/kg	12	0	0	35	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
4,6-Dinitro-2-methylphenol	534-52-1	SVOA	µg/kg	12	0	0	350	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Bromophenylphenyl ether	101-55-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloro-3-methylphenol	59-50-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloroaniline	106-47-8	SVOA	µg/kg	12	0	0	35	560			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chlorophenylphenyl ether	7005-72-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Methylphenol (cresol, p-)	106-44-5	SVOA	µg/kg	1	0	0	350	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitroaniline	100-01-6	SVOA	µg/kg	12	0	0	310	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitrophenol	100-02-7	SVOA	µg/kg	12	0	0	310	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthene	83-32-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthylene	208-96-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acetophenone	98-86-2	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-8. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Anthracene	120-12-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Atrazine	1912-24-9	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzaldehyde	100-52-7	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)anthracene	56-55-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)pyrene	50-32-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(b)fluoranthene	205-99-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(ghi)perylene	191-24-2	SVOA	µg/kg	12	0	0	35	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(k)fluoranthene	207-08-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloro-1-methylethyl)ether	108-60-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-Chloroethoxy)methane	111-91-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloroethyl) ether	111-44-4	SVOA	µg/kg	12	0	0	35	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-ethylhexyl) phthalate	117-81-7	SVOA	µg/kg	12	4	33	35	190	34	500	8270_SVOA_GCMS	8270_SVOA_GCMS	70	72	B1HK32
Butylbenzylphthalate	85-68-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Caprolactam	105-60-2	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Carbazole	86-74-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Chrysene	218-01-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Cyclohexane	110-82-7	SVOA	µg/kg	1	1	100			2000	2000	8270_SVOA_GCMS	8270_SVOA_GCMS	135	140	B1HK77
Cyclohexanone	108-94-1	SVOA	µg/kg	3	0	0	140	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
Decamethylcyclopenta siloxane	541-02-6	SVOA	µg/kg	1	1	100			220	220	8270_SVOA_GCMS	8270_SVOA_GCMS	67	69	B1HK27
Dibenz[a,h]anthracene	53-70-3	SVOA	µg/kg	12	0	0	35	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenzofuran	132-64-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibutyl Butylphosphonate	78-46-6	SVOA	µg/kg	3	0	0	180	310			8270_SVOA_GCMS	8270_SVOA_GCMS			
Diethylphthalate	84-66-2	SVOA	µg/kg	12	3	25	35	350	600	710	8270_SVOA_GCMS	8270_SVOA_GCMS	128.5	130.5	B1HK62
Dimethyl phthalate	131-11-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Di-n-butylphthalate	84-74-2	SVOA	µg/kg	12	5	42	35	350	38	1300	8270_SVOA_GCMS	8270_SVOA_GCMS	122.5	124.5	B1HK57
Di-n-octylphthalate	117-84-0	SVOA	µg/kg	12	0	0	15	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluoranthene	206-44-0	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluorene	86-73-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobenzene	118-74-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobutadiene	87-68-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorocyclopentadiene	77-47-4	SVOA	µg/kg	12	0	0	180	610			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachloroethane	67-72-1	SVOA	µg/kg	12	2	17	35	450	89	3300	8270_SVOA_GCMS	8270_SVOA_GCMS	70	72	B1HK32
Indeno(1,2,3-cd)pyrene	193-39-5	SVOA	µg/kg	12	0	0	35	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
Isophorone	78-59-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Naphthalene	91-20-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Nitrobenzene	98-95-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodi-n-dipropylamine	621-64-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodiphenylamine	86-30-6	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Octadecanoic acid	57-11-4	SVOA	µg/kg	1	1	100			220	220	8270_SVOA_GCMS	8270_SVOA_GCMS	67	69	B1HK27
Pentachlorophenol	87-86-5	SVOA	µg/kg	12	0	0	260	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenanthrene	85-01-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenol	108-95-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			

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Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Pyrene	129-00-0	SVOA	µg/kg	12	0	0	35	1400			8270 SVOA GCMS	8270 SVOA GCMS			
Tributyl phosphate	126-73-8	SVOA	µg/kg	12	7	58	35	180	49	3000000	8270 SVOA GCMS	8270 SVOA GCMS	70	72	B1HK32
1,1,1-Trichloroethane	71-55-6	VOA	µg/kg	23	0	0	0.17	190			8260 VOA GCMS	8260 VOA GCMS			
1,1,2,2-Tetrachloroethane	79-34-5	VOA	µg/kg	23	3	13	0.31	190	3.8	24	8260 VOA GCMS	8260 VOA GCMS	100	102	B1HK49
1,1,2-Trichloroethane	79-00-5	VOA	µg/kg	23	0	0	0.48	190			8260 VOA GCMS	8260 VOA GCMS			
1,1-Dichloroethane	75-34-3	VOA	µg/kg	23	0	0	0.19	190			8260 VOA GCMS	8260 VOA GCMS			
1,1-Dichloroethene	75-35-4	VOA	µg/kg	23	0	0	0.67	190			8260 VOA GCMS	8260 VOA GCMS			
1,2,4-Trimethylbenzene	95-63-6	VOA	µg/kg	15	0	0	0.21	37			8260 VOA GCMS	8260 VOA GCMS			
1,2-Dichloroethane	107-06-2	VOA	µg/kg	23	0	0	0.56	190			8260 VOA GCMS	8260 VOA GCMS			
1,2-Dichloroethene (Total)	540-59-0	VOA	µg/kg	23	0	0	0.6	190			8260 VOA GCMS	8260 VOA GCMS			
1,2-Dichloropropane	78-87-5	VOA	µg/kg	23	0	0	0.38	190			8260 VOA GCMS	8260 VOA GCMS			
1-Butanol	71-36-3	VOA	µg/kg	23	11	48	9.1	9300	75	5700	8260 VOA GCMS	8260 VOA GCMS	73	75	B1HK34
2-Butanone	78-93-3	VOA	µg/kg	23	19	83	0.8	120	2.1	1700	8260 VOA GCMS	8260 VOA GCMS	122.5	124.5	B1HK54
2-Butanone	78-93-3	VOA	ppm(v/v)	203	163	80	0.04	8	1.13	485	VOA B&K FLD	VOA MIRAN FLD	135.3	140	B1K933
2-Hexanone	591-78-6	VOA	µg/kg	23	2	9	1.1	370	2.3	2.4	8260 VOA GCMS	8260 VOA GCMS	73	75	B1HK35
2-Pentanone, 4-Methyl	108-10-1	VOA	µg/kg	23	0	0	0.85	370			8260 VOA GCMS	8260 VOA GCMS			
Acetic acid, methyl ester	79-20-9	VOA	µg/kg	2	2	100			200	12000	8260 VOA GCMS	8260 VOA GCMS	122.5	124.5	B1HK54
Acetone	67-64-1	VOA	ppm(v/v)	3	0	0	0.04	8			TO-15 VOA GAS	TO-15 VOA GAS			
Acetone	67-64-1	VOA	µg/kg	23	20	87	5.2	54	6.1	2900	8260 VOA GCMS	8260 VOA GCMS	131.5	133	B1HK64
Acetonitrile	75-05-8	VOA	µg/kg	23	7	30	2.6	750	6.6	1300	8260 VOA GCMS	8260 VOA GCMS	70	72	B1HK29
Benzene	71-43-2	VOA	µg/kg	23	5	22	0.24	190	0.72	3.7	8260 VOA GCMS	8260 VOA GCMS	70	72	B1HK30
Bromodichloromethane	75-27-4	VOA	µg/kg	23	0	0	0.14	190			8260 VOA GCMS	8260 VOA GCMS			
Bromoform	75-25-2	VOA	µg/kg	23	0	0	0.2	190			8260 VOA GCMS	8260 VOA GCMS			
Bromomethane	74-83-9	VOA	µg/kg	23	0	0	0.43	370			8260 VOA GCMS	8260 VOA GCMS			
Butanoic Acid Methyl Ester	623-42-7	VOA	µg/kg	1	1	100			82	82	8260 VOA GCMS	8260 VOA GCMS	122.5	124.5	B1HK54
Carbon Dioxide	124-38-9	VOA	ppm(v/v)	65	65	100			121	56300	VOA MIRAN FLD	VOA MIRAN FLD	128.5	130.5	B1K937
Carbon disulfide	75-15-0	VOA	µg/kg	23	0	0	0.27	190			8260 VOA GCMS	8260 VOA GCMS			
Carbon tetrachloride	56-23-5	VOA	ppm(v/v)	272	236	87	0.05	100	1.46	432	VOA B&K FLD	VOA MIRAN FLD	128.5	130.5	B1K937
Carbon tetrachloride	56-23-5	VOA	µg/kg	23	13	57	0.16	190	0.83	6300	8260 VOA GCMS	8260 VOA GCMS	128.5	130.5	B1HK59
Chlorobenzene	108-90-7	VOA	µg/kg	23	0	0	0.13	190			8260 VOA GCMS	8260 VOA GCMS			
Chloroethane	75-00-3	VOA	µg/kg	23	0	0	0.55	370			8260 VOA GCMS	8260 VOA GCMS			
Chloroform	67-66-3	VOA	ppm(v/v)	271	175	65	0.07	8	0.06	819	TO-15 VOA GAS	VOA B&K FLD	135.3	140	B1K913
Chloroform	67-66-3	VOA	µg/kg	23	10	43	0.24	190	2.2	360	8260 VOA GCMS	8260 VOA GCMS	131.5	133	B1HK65
Chloromethane	74-87-3	VOA	µg/kg	23	0	0	0.25	370			8260 VOA GCMS	8260 VOA GCMS			
cis-1,2-Dichloroethylene	156-59-2	VOA	µg/kg	2	0	0	3	190			8260 VOA GCMS	8260 VOA GCMS			
cis-1,3-Dichloropropene	10061-01-5	VOA	µg/kg	23	0	0	0.15	190			8260 VOA GCMS	8260 VOA GCMS			
Cyclohexanone	108-94-1	VOA	µg/kg	15	0	0	14	950			8260 VOA GCMS	8260 VOA GCMS			
Decane	124-18-5	VOA	µg/kg	2	2	100			750	880	8260 VOA GCMS	8260 VOA GCMS	128.5	130.5	B1HK59
Dibromochloromethane	124-48-1	VOA	µg/kg	23	0	0	0.27	190			8260 VOA GCMS	8260 VOA GCMS			
Ethylbenzene	100-41-4	VOA	µg/kg	23	1	4	0.17	190	0.8	0.8	8260 VOA GCMS	8260 VOA GCMS	73	75	B1HK35
Hexachloroethane	67-72-1	VOA	µg/kg	5	5	100			240	20000	8260 VOA GCMS	8260 VOA GCMS	70	72	B1HK29
Hexane	110-54-3	VOA	µg/kg	23	1	4	0.32	190	3.4	3.4	8260 VOA GCMS	8260 VOA GCMS	70	72	B1HK30
Methane	74-82-8	VOA	ppm(v/v)	73	8	11	1.5	1.5	9	14	VOA MIRAN FLD	VOA MIRAN FLD	70	72	B1K944
Methyl propionate	554-12-1	VOA	µg/kg	1	1	100			84	84	8260 VOA GCMS	8260 VOA GCMS	128.5	130.5	B1HK59
Methylene chloride	75-09-2	VOA	ppm(v/v)	198	163	82	0.04	8	1.38	72	VOA B&K FLD	VOA B&K FLD	100	102	B1K8X6
Methylene chloride	75-09-2	VOA	µg/kg	23	5	22	1.2	120	5.6	140	8260 VOA GCMS	8260 VOA GCMS	100	102	B1HK49
n-Butylbenzene	104-51-8	VOA	µg/kg	23	0	0	0.22	190			8260 VOA GCMS	8260 VOA GCMS			

Table A-8. Summary Table for All Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Nitrous Oxide	10024-97-2	VOA	ppm(v/v)	24	14	58	0.04	0.04	5.05	14.62	VOA_MIRAN_FLD	VOA_MIRAN_FLD	52.5	54.5	B1K947
Styrene	100-42-5	VOA	µg/kg	23	1	4	0.26	190	0.48	0.48	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Tetrachloroethene	127-18-4	VOA	µg/kg	23	7	30	0.41	190	5.2	220	8260_VOA_GCMS	8260_VOA_GCMS	70	72	B1HK29
Tetrachloroethene	127-18-4	VOA	ppm(v/v)	3	0	0	0.04	8			TO-15_VOA_GAS	TO-15_VOA_GAS			
Tetrahydrofuran	109-99-9	VOA	µg/kg	4	4	100			53	490	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK54
Toluene	108-88-3	VOA	µg/kg	23	5	22	0.47	190	0.65	3.8	8260_VOA_GCMS	8260_VOA_GCMS	131.5	133	B1HK65
trans-1,2-Dichloroethylene	156-60-5	VOA	µg/kg	2	0	0	3	190			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,3-Dichloropropene	10061-02-6	VOA	µg/kg	23	0	0	0.27	190			8260_VOA_GCMS	8260_VOA_GCMS			
Trichloroethene	79-01-6	VOA	µg/kg	23	1	4	0.26	190	1.3	1.3	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Trichloroethene	79-01-6	VOA	ppm(v/v)	3	0	0	0.04	8			TO-15_VOA_GAS	TO-15_VOA_GAS			
Trichloromonofluoro methane	75-69-4	VOA	µg/kg	1	1	100			3	3	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK55
Vinyl chloride	75-01-4	VOA	µg/kg	23	0	0	0.32	370			8260_VOA_GCMS	8260_VOA_GCMS			
Xylenes (total)	1330-20-7	VOA	µg/kg	23	1	4	0.4	190	3	3	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Ammonia	7664-41-7	WETCHEM	µg/kg	8	1	12	2800	11300	3400	3400	350.1_AMMONIA	350.1_AMMONIA	52.5	54.5	B1HKB3
Ammonium ion	14798-03-9	WETCHEM	µg/kg	4	4	100			3710	21500	300.7_IC	300.7_IC	135	140	B1HK77
Chloride	16887-00-6	WETCHEM	µg/kg	12	12	100			4300	93700	9056_ANIONS_IC	9056_ANIONS_IC	70	72	B1HK32
Fluoride	16984-48-8	WETCHEM	µg/kg	12	11	92	2000	2000	1700	51400	9056_ANIONS_IC	9056_ANIONS_IC	118.5	120.5	B1HK42
Nitrate	14797-55-8	WETCHEM	µg/kg	12	11	92	487	487	61100	6990000	300.0_ANIONS_IC	9056_ANIONS_IC	100	102	B1HK52
Nitrite	14797-65-0	WETCHEM	µg/kg	12	2	17	141	1610	1050	3940	9056_ANIONS_IC	9056_ANIONS_IC	118.5	120.5	B1HK42
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	WETCHEM	µg/kg	13	13	100			770	1670000	353.1_NO3/NO2	353.1_NO3/NO2	100	102	B1HK52
Phosphate	14265-44-2	WETCHEM	µg/kg	12	2	17	200	12000	2500	3900	9056_ANIONS_IC	9056_ANIONS_IC	135	140	B1HL26
Sulfate	14808-79-8	WETCHEM	µg/kg	12	12	100			10600	255000	300.0_ANIONS_IC	9056_ANIONS_IC	70	72	B1HK32

Table A-9. Summary Table for Radiological-Only Constituents in Deep-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Americium-241	14596-10-2	RAD	pCi/g	12	12	100			0.48	131000	AMCMISO_IE_PREC_AEA	AMCMISO_IE_PLATE_AEA	118.5	120.5	B1HK42
Antimony-125	14234-35-6	RAD	pCi/g	14	0	0	-0.013	5.3			GAMMA_GS	GAMMA_GS			
Cesium-134	13967-70-9	RAD	pCi/g	14	0	0	0.006	2.6			GAMMA_GS	GAMMA_GS			
Cesium-137	10045-97-3	RAD	pCi/g	16	6	38	-0.006	2.1	0.291	0.632	GAMMA_GS	GAMMA_GS	70	72	B1HK32
Cobalt-60	10198-40-0	RAD	pCi/g	16	0	0	-0.004	2.9			GAMMA_GS	GAMMA_GS			
Europium-152	14683-23-9	RAD	pCi/g	16	2	12	-0.005	6	0.843	3.16	GAMMA_GS	GAMMA_GS	70	72	B1HK32
Europium-154	15585-10-1	RAD	pCi/g	16	0	0	-0.011	8.5			GAMMA_GS	GAMMA_GS			
Europium-155	14391-16-3	RAD	pCi/g	16	2	12	0.028	16	0.115	0.131	GAMMA_GS	GAMMA_GS	122.5	124.5	B1HK53
Neptunium-237	13994-20-2	RAD	pCi/g	12	1	8	0	224	10.5	10.5	NP237_LLE_PLATE_AEA	NP237_LLE_PLATE_AEA	122.5	124.5	B1HK57
Plutonium-238	13981-16-3	RAD	pCi/g	12	4	33	-218	1320	0.41	3680	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	70	72	B1HK32
Plutonium-239/240	PU-239/240	RAD	pCi/g	12	12	100			0.14	254000	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	70	72	B1HK32
Potassium-40	13966-00-2	RAD	pCi/g	12	9	75	20	65	2.22	29.4	GAMMA_GS	GAMMA_GS	118.5	120.5	B1HK42
Radium-226	13982-63-3	RAD	pCi/g	13	8	62	0.584	4.3	0.48	2.16	GAMMA_GS	GAMMA_GS	131.5	133	B1HK67
Radium-228	15262-20-1	RAD	pCi/g	13	7	54	0.29	21	0.31	1.64	GAMMA_GS	GAMMA_GS	70	72	B1HK32
Technetium-99	14133-76-7	RAD	pCi/g	12	4	33	-4.77	7.61	14.3	272	TC99_TR_SEP_GPC	TC99_TR_SEP_GPC	70	72	B1HK32
Thorium-228	14274-82-9	RAD	pCi/g	12	4	33	-58.1	166	0.542	2.2	THISO_IE_PLATE_AEA	THISO_IE_PRECIP_AEA	135	140	B1HL26
Thorium-230	14269-63-7	RAD	pCi/g	12	3	25	-231	102	1.57	7.34	THISO_IE_PLATE_AEA	THISO_IE_PRECIP_AEA	135	140	B1HL26
Thorium-232	TH-232	RAD	pCi/g	12	4	33	-57.8	57.9	0.451	1.89	THISO_IE_PLATE_AEA	THISO_IE_PRECIP_AEA	135	140	B1HL26
Total beta radiostrontium	SR-RAD	RAD	pCi/g	12	2	17	-760	7.19	0.22	1.18	SRTOT_SEP_PRECIP_GPC	SRTOT_SEP_PRECIP_GPC	131.5	133	B1HK67
Tritium	10028-17-8	RAD	pCi/g	12	0	0	-3.22	37.8			TRITIUM_COX_LSC	906.0_H3_LSC			
Uranium-233/234	U-233/234	RAD	pCi/g	12	4	33	-17.8	50.3	0.16	0.68	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	131.5	133	B1HK63
Uranium-235	15117-96-1	RAD	pCi/g	12	1	8	-24.4	79.8	0.03	0.03	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	131.5	133	B1HK63
Uranium-238	U-238	RAD	pCi/g	12	4	33	-17.8	66	0.18	0.56	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	131.5	133	B1HK63

Table A-10. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
2-(2-methyl-4-chlorophenoxy) propionic acid	93-65-2	GENORG	µg/kg	1	0	0	1300	1300			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	5.3	5.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	3.5	3.5			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	31	31			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	26	26			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2-Methyl-4 chlorophenoxyacetic acid	94-74-6	GENORG	µg/kg	1	0	0	830	830			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloro ethane)	72-54-8	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloro ethylene)	72-55-9	GENORG	µg/kg	1	0	0	0.41	0.41			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloro ethane)	50-29-3	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	0.65	0.65			8081_PEST_GC	8081_PEST_GC			
Aroclor-1016	12674-11-2	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1221	11104-28-2	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1232	11141-16-5	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1242	53469-21-9	GENORG	µg/kg	11	0	0	6.4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1248	12672-29-6	GENORG	µg/kg	11	2	18	6.4	140	270	1300	8082_PCB_GC	8082_PCB_GC	70	72	B1HK32
Aroclor-1254	11097-69-1	GENORG	µg/kg	11	0	0	4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1260	11096-82-5	GENORG	µg/kg	11	0	0	4	140			8082_PCB_GC	8082_PCB_GC			
Aroclor-1262	37324-23-5	GENORG	µg/kg	10	0	0	4	12			8082_PCB_GC	8082_PCB_GC			
Aroclor-1268	11100-14-4	GENORG	µg/kg	10	0	0	4	12			8082_PCB_GC	8082_PCB_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Calcium Carbonate	471-34-1	GENORG	%	4	4	100			0	22	D4373_GASGEN	D4373_GASGEN	131.5	133	B1HK67
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	0.12	0.12			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	1.6	1.6			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	29	29			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	0.29	0.29			8081_PEST_GC	8081_PEST_GC			

Table A-10. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	6.3	6.3			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	0.13	0.13			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	0.1	0.1			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	0.25	0.25			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	0.21	0.21			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	0.27	0.27			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	0.11	0.11			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	0.15	0.15			8081_PEST_GC	8081_PEST_GC			
Oil and grease	OIL/GREASE	GENORG	µg/kg	12	2	17	1000	702000	395000	2440000	413.1_OILGREASE	413.1_OILGREASE	70	72	B1HK32
Total Inorganic Carbon	TINC	GENORG	µg/kg	13	6	46	8200	9800	8600	3280000	9060_TOC	415.1_TOC	135	140	B1HL26
Total organic carbon	TOC	GENORG	µg/kg	12	9	75	23200	1050000	63400	3660000	415.1_TOC	9060_TOC	122.5	124.5	B1HK57
Total petroleum hydrocarbons diesel range	TPHDIESEL	GENORG	µg/kg	7	0	0	1600	1700			WTPH_DIESEL	WTPH_DIESEL			
Total petroleum hydrocarbons kerosene range	TPH KEROSENE	GENORG	µg/kg	7	0	0	520	550			WTPH_DIESEL	WTPH_DIESEL			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	7	7			8081_PEST_GC	8081_PEST_GC			
Aluminum	7429-90-5	METAL	µg/kg	12	12	100			6080000	13000000	6010_METALS_ICP	6010_METALS_ICP_TR	118.5	120.5	B1HK42
Antimony	7440-36-0	METAL	µg/kg	12	8	67	2340	2520	500	2400	6010_METALS_ICP_TR	6010_METALS_ICP_TR	135	140	B1HL26
Arsenic	7440-38-2	METAL	µg/kg	12	11	92	2050	2050	3000	8400	6010_METALS_ICP	6010_METALS_ICP	131.5	133	B1HK67
Barium	7440-39-3	METAL	µg/kg	12	12	100			37300	109000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Beryllium	7440-41-7	METAL	µg/kg	12	12	100			130	680	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Bismuth	7440-69-9	METAL	µg/kg	12	8	67	2050	2220	53600	156000	6010_METALS_ICP_TR	6010_METALS_ICP_TR	135	140	B1HL26
Cadmium	7440-43-9	METAL	µg/kg	12	10	83	99	140	145	118000	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Calcium	7440-70-2	METAL	µg/kg	12	12	100			2240000	209000000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Chromium	7440-47-3	METAL	µg/kg	12	12	100			6650	22800	6010_METALS_ICP	6010_METALS_ICP_TR	52.5	54.5	B1HKB3
Cobalt	7440-48-4	METAL	µg/kg	12	12	100			5190	13600	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Copper	7440-50-8	METAL	µg/kg	12	12	100			9100	19900	6010_METALS_ICP_TR	6010_METALS_ICP	122.5	124.5	B1HK57
Hexavalent Chromium	18540-29-9	METAL	µg/kg	12	2	17	150	180	220	450	7196_CR6	7196_CR6	52.5	54.5	B1HKB3
Iron	7439-89-6	METAL	µg/kg	12	12	100			9230000	24000000	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Lead	7439-92-1	METAL	µg/kg	12	12	100			2390	17000	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Lithium	7439-93-2	METAL	µg/kg	12	12	100			5280	16100	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Magnesium	7439-95-4	METAL	µg/kg	12	12	100			3710000	7900000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Manganese	7439-96-5	METAL	µg/kg	12	12	100			170000	508000	6010_METALS_ICP_TR	6010_METALS_ICP	122.5	124.5	B1HK57
Mercury	7439-97-6	METAL	µg/kg	12	12	100			40.5	799	7471_HG_CVAA	7471_HG_CVAA	100	102	B1HK52
Nickel	7440-02-0	METAL	µg/kg	12	12	100			5670	23300	6010_METALS_ICP	6010_METALS_ICP_TR	100	102	B1HK52
Phosphorus	7723-14-0	METAL	µg/kg	12	12	100			426000	1220000	6010_METALS_ICP	6010_METALS_ICP	128.5	130.5	B1HK62
Potassium	7440-09-7	METAL	µg/kg	12	12	100			530000	1990000	6010_METALS_ICP	6010_METALS_ICP	122.5	124.5	B1HK57
Selenium	7782-49-2	METAL	µg/kg	12	8	67	180	1820	280	2930	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Silver	7440-22-4	METAL	µg/kg	12	3	25	197	210	565	1230	6010_METALS_ICP	6010_METALS_ICP	135	140	B1HK77
Sodium	7440-23-5	METAL	µg/kg	12	11	92	1950000	1950000	144000	1330000	6010_METALS_ICP_TR	6010_METALS_ICP_TR	100	102	B1HK52
Strontium	7440-24-6	METAL	µg/kg	12	12	100			15900	264000	6010_METALS_ICP_TR	6010_METALS_ICP	131.5	133	B1HK67
Vanadium	7440-62-2	METAL	µg/kg	12	12	100			22200	71400	6010_METALS_ICP	6010_METALS_ICP_TR	135	140	B1HL26
Zinc	7440-66-6	METAL	µg/kg	12	12	100			33800	84000	6010_METALS_ICP_TR	6010_METALS_ICP	135	140	B1HK77
Bulk density - dry	BULKDENSITY-DRY	PHYSICAL	kg/m3	4	4	100			1260	1914	D2937_DENSITY	D2937_DENSITY	131.5	133	B1HK67

Table A-10. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Bulk density - wet	BULKDENSITY-WET	PHYSICAL	kg/m3	4	4	100			1410	2198	D2937_DENSITY	D2937_DENSITY	131.5	133	B1HK67
Cation Exchange Capacity	CEC	PHYSICAL	mEQ/100g	12	12	100			4.8	14.9	9081_CATIONEXCH	9081_CATIONEXCH	131.5	133	B1HK67
Hydraulic Conductivity	HYDCON	PHYSICAL	cm/s	4	4	100			0.0000028	0.000043	D5084_HYDRCON	D5084_HYDRCON	100	102	B1HK52
Percent moisture (dry sample)	%MOISTURE-D	PHYSICAL	%	4	4	100			6	24.7	D2216_%MOIS	D2216_%MOIS	128.5	130.5	B1HK62
Percent moisture (wet sample)	%MOISTURE	PHYSICAL	%	4	4	100			5.6	19.8	D2216_%MOIS	D2216_%MOIS	128.5	130.5	B1HK62
Percent passing 1.5 inch sieve	PAS1.5IN	PHYSICAL	%	4	4	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK62
Percent passing 3 inch sieve	PAS3IN	PHYSICAL	%	4	4	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK62
Percent passing 3/4 inch sieve	PAS3/4IN	PHYSICAL	%	4	4	100			86	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK57
Percent passing 3/8 inch sieve	PAS3/8IN	PHYSICAL	%	4	4	100			77.9	100	D422_PARTCLSIZE	D422_PARTCLSIZE	100	102	B1HK62
Percent passing No.10 sieve	PAS#10	PHYSICAL	%	4	4	100			69.9	100	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.100 sieve	PAS#100	PHYSICAL	%	4	4	100			53.3	94.2	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.140 sieve	PAS#140	PHYSICAL	%	4	4	100			47.8	91.7	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.20 sieve	PAS#20	PHYSICAL	%	4	4	100			68.2	99.9	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.200 sieve	PAS#200	PHYSICAL	%	4	4	100			31.1	87.9	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.4 sieve	PAS#4	PHYSICAL	%	4	4	100			73.5	100	D422_PARTCLSIZE	D422_PARTCLSIZE	122.5	124.5	B1HK57
Percent passing No.40 sieve	PAS#40	PHYSICAL	%	4	4	100			64.5	99.7	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent passing No.60 sieve	PAS#60	PHYSICAL	%	4	4	100			60.1	97.6	D422_PARTCLSIZE	D422_PARTCLSIZE	128.5	130.5	B1HK62
Percent Solids	%SOLIDS	PHYSICAL	%	2	2	100			80.2	85.7	%SOLIDS	%SOLIDS	131.5	133	B1HK67
Specific Gravity	SPECGVTY	PHYSICAL	unitless	4	4	100			2.7102	2.8049	D854_PARTLDEN	D854_PARTLDEN	122.5	124.5	B1HK57
Total solids	TS	PHYSICAL	%	29	29	100			1.9	73.2	160.3_TOTSOLIDS	160.3_TOTSOLIDS	135	140	B1HL23
1,1'-Biphenyl	92-52-4	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trichlorobenzene	120-82-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	SVOA	µg/kg	3	0	0	120	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2-Dichlorobenzene	95-50-1	SVOA	µg/kg	12	0	0	35	470			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,3-Dichlorobenzene	541-73-1	SVOA	µg/kg	12	0	0	35	600			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,4-Dichlorobenzene	106-46-7	SVOA	µg/kg	12	0	0	35	500			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,5-Trichlorophenol	95-95-4	SVOA	µg/kg	12	0	0	35	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,6-Trichlorophenol	88-06-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dichlorophenol	120-83-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dimethylphenol	105-67-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrophenol	51-28-5	SVOA	µg/kg	12	0	0	350	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrotoluene	121-14-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-10. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
2,6-Dinitrotoluene	606-20-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chloronaphthalene	91-58-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chlorophenol	95-57-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylnaphthalene	91-57-6	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylphenol (cresol, o-)	95-48-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitroaniline	88-74-4	SVOA	µg/kg	12	0	0	35	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitrophenol	88-75-5	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
3,3'-Dichlorobenzidine	91-94-1	SVOA	µg/kg	12	0	0	35	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
3+4 Methylphenol (cresol, m+p)	65794-96-9	SVOA	µg/kg	11	0	0	70	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
3-Nitroaniline	99-09-2	SVOA	µg/kg	12	0	0	35	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
4,6-Dinitro-2-methylphenol	534-52-1	SVOA	µg/kg	12	0	0	350	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Bromophenylphenyl ether	101-55-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloro-3-methylphenol	59-50-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloroaniline	106-47-8	SVOA	µg/kg	12	0	0	35	560			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chlorophenylphenyl ether	7005-72-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Methylphenol (cresol, p-)	106-44-5	SVOA	µg/kg	1	0	0	350	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitroaniline	100-01-6	SVOA	µg/kg	12	0	0	310	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitrophenol	100-02-7	SVOA	µg/kg	12	0	0	310	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthene	83-32-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthylene	208-96-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acetophenone	98-86-2	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Anthracene	120-12-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Atrazine	1912-24-9	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzaldehyde	100-52-7	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)anthracene	56-55-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)pyrene	50-32-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(b)fluoranthene	205-99-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(ghi)perylene	191-24-2	SVOA	µg/kg	12	0	0	35	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(k)fluoranthene	207-08-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloro-1-methylethyl)ether	108-60-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-Chloroethoxy)methane	111-91-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloroethyl) ether	111-44-4	SVOA	µg/kg	12	0	0	35	380			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-ethylhexyl) phthalate	117-81-7	SVOA	µg/kg	12	4	33	35	190	34	500	8270_SVOA_GCMS	8270_SVOA_GCMS	70	72	B1HK32
Butylbenzylphthalate	85-68-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Caprolactam	105-60-2	SVOA	µg/kg	8	0	0	35	36			8270_SVOA_GCMS	8270_SVOA_GCMS			
Carbazole	86-74-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Chrysene	218-01-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Cyclohexane	110-82-7	SVOA	µg/kg	1	1	100			2000	2000	8270_SVOA_GCMS	8270_SVOA_GCMS	135	140	B1HK77
Cyclohexanone	108-94-1	SVOA	µg/kg	3	0	0	140	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
Decamethylcyclopenta siloxane	541-02-6	SVOA	µg/kg	1	1	100			220	220	8270_SVOA_GCMS	8270_SVOA_GCMS	67	69	B1HK27
Dibenz[a,h]anthracene	53-70-3	SVOA	µg/kg	12	0	0	35	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenzofuran	132-64-9	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			

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Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Dibutyl Butylphosphonate	78-46-6	SVOA	µg/kg	3	0	0	180	310			8270_SVOA_GCMS	8270_SVOA_GCMS			
Diethylphthalate	84-66-2	SVOA	µg/kg	12	3	25	35	350	600	710	8270_SVOA_GCMS	8270_SVOA_GCMS	128.5	130.5	B1HK62
Dimethyl phthalate	131-11-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Di-n-butylphthalate	84-74-2	SVOA	µg/kg	12	5	42	35	350	38	1300	8270_SVOA_GCMS	8270_SVOA_GCMS	122.5	124.5	B1HK57
Di-n-octylphthalate	117-84-0	SVOA	µg/kg	12	0	0	15	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluoranthene	206-44-0	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluorene	86-73-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobenzene	118-74-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobutadiene	87-68-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorocyclopentadiene	77-47-4	SVOA	µg/kg	12	0	0	180	610			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachloroethane	67-72-1	SVOA	µg/kg	12	2	17	35	450	89	3300	8270_SVOA_GCMS	8270_SVOA_GCMS	70	72	B1HK32
Indeno(1,2,3-cd)pyrene	193-39-5	SVOA	µg/kg	12	0	0	35	390			8270_SVOA_GCMS	8270_SVOA_GCMS			
Isophorone	78-59-1	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Naphthalene	91-20-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Nitrobenzene	98-95-3	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodi-n-dipropylamine	621-64-7	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodiphenylamine	86-30-6	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Octadecanoic acid	57-11-4	SVOA	µg/kg	1	1	100			220	220	8270_SVOA_GCMS	8270_SVOA_GCMS	67	69	B1HK27
Pentachlorophenol	87-86-5	SVOA	µg/kg	12	0	0	260	870			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenanthrene	85-01-8	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenol	108-95-2	SVOA	µg/kg	12	0	0	35	350			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pyrene	129-00-0	SVOA	µg/kg	12	0	0	35	1400			8270_SVOA_GCMS	8270_SVOA_GCMS			
Tributyl phosphate	126-73-8	SVOA	µg/kg	12	7	58	35	180	49	3000000	8270_SVOA_GCMS	8270_SVOA_GCMS	70	72	B1HK32
1,1,1-Trichloroethane	71-55-6	VOA	µg/kg	23	0	0	0.17	190			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2,2-Tetrachloroethane	79-34-5	VOA	µg/kg	23	3	13	0.31	190	3.8	24	8260_VOA_GCMS	8260_VOA_GCMS	100	102	B1HK49
1,1,2-Trichloroethane	79-00-5	VOA	µg/kg	23	0	0	0.48	190			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethane	75-34-3	VOA	µg/kg	23	0	0	0.19	190			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethene	75-35-4	VOA	µg/kg	23	0	0	0.67	190			8260_VOA_GCMS	8260_VOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	VOA	µg/kg	15	0	0	0.21	37			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethane	107-06-2	VOA	µg/kg	23	0	0	0.56	190			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethene (Total)	540-59-0	VOA	µg/kg	23	0	0	0.6	190			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloropropane	78-87-5	VOA	µg/kg	23	0	0	0.38	190			8260_VOA_GCMS	8260_VOA_GCMS			
1-Butanol	71-36-3	VOA	µg/kg	23	11	48	9.1	9300	75	5700	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK34
2-Butanone	78-93-3	VOA	µg/kg	23	19	83	0.8	120	2.1	1700	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK54
2-Butanone	78-93-3	VOA	ppm(v/v)	203	163	80	0.04	8	1.13	485	VOA_B&K_FLD	VOA_MIRAN_FLD	135.3	140	B1K933
2-Hexanone	591-78-6	VOA	µg/kg	23	2	9	1.1	370	2.3	2.4	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
2-Pentanone, 4-Methyl	108-10-1	VOA	µg/kg	23	0	0	0.85	370			8260_VOA_GCMS	8260_VOA_GCMS			
Acetic acid, methyl ester	79-20-9	VOA	µg/kg	2	2	100			200	12000	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK54
Acetone	67-64-1	VOA	ppm(v/v)	3	0	0	0.04	8			TO-15_VOA_GAS	TO-15_VOA_GAS			
Acetone	67-64-1	VOA	µg/kg	23	20	87	5.2	54	6.1	2900	8260_VOA_GCMS	8260_VOA_GCMS	131.5	133	B1HK64
Acetonitrile	75-05-8	VOA	µg/kg	23	7	30	2.6	750	6.6	1300	8260_VOA_GCMS	8260_VOA_GCMS	70	72	B1HK29
Benzene	71-43-2	VOA	µg/kg	23	5	22	0.24	190	0.72	3.7	8260_VOA_GCMS	8260_VOA_GCMS	70	72	B1HK30
Bromodichloromethane	75-27-4	VOA	µg/kg	23	0	0	0.14	190			8260_VOA_GCMS	8260_VOA_GCMS			
Bromoform	75-25-2	VOA	µg/kg	23	0	0	0.2	190			8260_VOA_GCMS	8260_VOA_GCMS			

Table A-10. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Bromomethane	74-83-9	VOA	µg/kg	23	0	0	0.43	370			8260_VOA_GCMS	8260_VOA_GCMS			
Butanoic Acid Methyl Ester	623-42-7	VOA	µg/kg	1	1	100			82	82	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK54
Carbon Dioxide	124-38-9	VOA	ppm(v/v)	65	65	100			121	56300	VOA_MIRAN_FLD	VOA_MIRAN_FLD	128.5	130.5	B1K937
Carbon disulfide	75-15-0	VOA	µg/kg	23	0	0	0.27	190			8260_VOA_GCMS	8260_VOA_GCMS			
Carbon tetrachloride	56-23-5	VOA	µg/kg	23	13	57	0.16	190	0.83	6300	8260_VOA_GCMS	8260_VOA_GCMS	128.5	130.5	B1HK59
Carbon tetrachloride	56-23-5	VOA	ppm(v/v)	272	236	87	0.05	100	1.46	432	VOA_B&K_FLD	VOA_MIRAN_FLD	128.5	130.5	B1K937
Chlorobenzene	108-90-7	VOA	µg/kg	23	0	0	0.13	190			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroethane	75-00-3	VOA	µg/kg	23	0	0	0.55	370			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroform	67-66-3	VOA	ppm(v/v)	271	175	65	0.07	8	0.06	819	TO-15_VOA_GAS	VOA_B&K_FLD	135.3	140	B1K913
Chloroform	67-66-3	VOA	µg/kg	23	10	43	0.24	190	2.2	360	8260_VOA_GCMS	8260_VOA_GCMS	131.5	133	B1HK65
Chloromethane	74-87-3	VOA	µg/kg	23	0	0	0.25	370			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,2-Dichloroethylene	156-59-2	VOA	µg/kg	2	0	0	3	190			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,3-Dichloropropene	10061-01-5	VOA	µg/kg	23	0	0	0.15	190			8260_VOA_GCMS	8260_VOA_GCMS			
Cyclohexanone	108-94-1	VOA	µg/kg	15	0	0	14	950			8260_VOA_GCMS	8260_VOA_GCMS			
Decane	124-18-5	VOA	µg/kg	2	2	100			750	880	8260_VOA_GCMS	8260_VOA_GCMS	128.5	130.5	B1HK59
Dibromochloromethane	124-48-1	VOA	µg/kg	23	0	0	0.27	190			8260_VOA_GCMS	8260_VOA_GCMS			
Ethylbenzene	100-41-4	VOA	µg/kg	23	1	4	0.17	190	0.8	0.8	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Hexachloroethane	67-72-1	VOA	µg/kg	5	5	100			240	20000	8260_VOA_GCMS	8260_VOA_GCMS	70	72	B1HK29
Hexane	110-54-3	VOA	µg/kg	23	1	4	0.32	190	3.4	3.4	8260_VOA_GCMS	8260_VOA_GCMS	70	72	B1HK30
Methane	74-82-8	VOA	ppm(v/v)	73	8	11	1.5	1.5	9	14	VOA_MIRAN_FLD	VOA_MIRAN_FLD	70	72	B1K944
Methyl propionate	554-12-1	VOA	µg/kg	1	1	100			84	84	8260_VOA_GCMS	8260_VOA_GCMS	128.5	130.5	B1HK59
Methylene chloride	75-09-2	VOA	ppm(v/v)	198	163	82	0.04	8	1.38	72	VOA_B&K_FLD	VOA_B&K_FLD	100	102	B1K8X6
Methylene chloride	75-09-2	VOA	µg/kg	23	5	22	1.2	120	5.6	140	8260_VOA_GCMS	8260_VOA_GCMS	100	102	B1HK49
n-Butylbenzene	104-51-8	VOA	µg/kg	23	0	0	0.22	190			8260_VOA_GCMS	8260_VOA_GCMS			
Nitrous Oxide	10024-97-2	VOA	ppm(v/v)	24	14	58	0.04	0.04	5.05	14.62	VOA_MIRAN_FLD	VOA_MIRAN_FLD	52.5	54.5	B1K947
Styrene	100-42-5	VOA	µg/kg	23	1	4	0.26	190	0.48	0.48	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Tetrachloroethene	127-18-4	VOA	ppm(v/v)	3	0	0	0.04	8			TO-15_VOA_GAS	TO-15_VOA_GAS			
Tetrachloroethene	127-18-4	VOA	µg/kg	23	7	30	0.41	190	5.2	220	8260_VOA_GCMS	8260_VOA_GCMS	70	72	B1HK29
Tetrahydrofuran	109-99-9	VOA	µg/kg	4	4	100			53	490	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK54
Toluene	108-88-3	VOA	µg/kg	23	5	22	0.47	190	0.65	3.8	8260_VOA_GCMS	8260_VOA_GCMS	131.5	133	B1HK65
trans-1,2-Dichloroethylene	156-60-5	VOA	µg/kg	2	0	0	3	190			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,3-Dichloropropene	10061-02-6	VOA	µg/kg	23	0	0	0.27	190			8260_VOA_GCMS	8260_VOA_GCMS			
Trichloroethene	79-01-6	VOA	ppm(v/v)	3	0	0	0.04	8			TO-15_VOA_GAS	TO-15_VOA_GAS			
Trichloroethene	79-01-6	VOA	µg/kg	23	1	4	0.26	190	1.3	1.3	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Trichloromonofluoro methane	75-69-4	VOA	µg/kg	1	1	100			3	3	8260_VOA_GCMS	8260_VOA_GCMS	122.5	124.5	B1HK55
Vinyl chloride	75-01-4	VOA	µg/kg	23	0	0	0.32	370			8260_VOA_GCMS	8260_VOA_GCMS			
Xylenes (total)	1330-20-7	VOA	µg/kg	23	1	4	0.4	190	3	3	8260_VOA_GCMS	8260_VOA_GCMS	73	75	B1HK35
Ammonia	7664-41-7	WETCHEM	µg/kg	8	1	12	2800	11300	3400	3400	350.1_AMMONIA	350.1_AMMONIA	52.5	54.5	B1HKB3

Table A-10. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (7 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft downhole)	End Depth of Maximum Detect (ft downhole)	Sample Number of Maximum Detect
216-Z-9 Trench - 299-W15-48 (Slant Borehole C3427)															
Ammonium ion	14798-03-9	WETCHEM	µg/kg	4	4	100			3710	21500	300.7_IC	300.7_IC	135	140	B1HK77
Chloride	16887-00-6	WETCHEM	µg/kg	12	12	100			4300	93700	9056_ANIONS_IC	9056_ANIONS_IC	70	72	B1HK32
Fluoride	16984-48-8	WETCHEM	µg/kg	12	11	92	2000	2000	1700	51400	9056_ANIONS_IC	9056_ANIONS_IC	118.5	120.5	B1HK42
Nitrate	14797-55-8	WETCHEM	µg/kg	12	11	92	487	487	61100	6990000	300.0_ANIONS_IC	9056_ANIONS_IC	100	102	B1HK52
Nitrite	14797-65-0	WETCHEM	µg/kg	12	2	17	141	1610	1050	3940	9056_ANIONS_IC	9056_ANIONS_IC	118.5	120.5	B1HK42
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	WETCHEM	µg/kg	13	13	100			770	1670000	353.1_NO3/NO2	353.1_NO3/NO2	100	102	B1HK52
Phosphate	14265-44-2	WETCHEM	µg/kg	12	2	17	200	12000	2500	3900	9056_ANIONS_IC	9056_ANIONS_IC	135	140	B1HL26
Sulfate	14808-79-8	WETCHEM	µg/kg	12	12	100			10600	255000	300.0_ANIONS_IC	9056_ANIONS_IC	70	72	B1HK32

Table A-11. Summary Table for All Constituents in Shallow-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	35	35			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	70	70			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			

Table A-12. Summary Table for Nonradiological Constituents in Shallow-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	35	35			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	70	70			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			

Table A-13. Summary Table for All Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	35	35			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Aroclor-1016	12674-11-2	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1221	11104-28-2	GENORG	µg/kg	10	0	0	4.7	27			8082_PCB_GC	8082_PCB_GC			
Aroclor-1232	11141-16-5	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1242	53469-21-9	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1248	12672-29-6	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1254	11097-69-1	GENORG	µg/kg	10	1	10	4.8	13	39	39	8082_PCB_GC	8082_PCB_GC	234	236.5	B1D994
Aroclor-1260	11096-82-5	GENORG	µg/kg	10	0	0	4.8	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1262	37324-23-5	GENORG	µg/kg	7	0	0	10	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1268	11100-14-4	GENORG	µg/kg	7	0	0	10	13			8082_PCB_GC	8082_PCB_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Calcium Carbonate	471-34-1	GENORG	%	6	5	83	0	0	0	2	D4373_GASGEN	D4373_GASGEN	104	106.5	B1D992
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	70	70			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			

Table A-13. Summary Table for All Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Oil and grease	OIL/GREASE	GENORG	µg/kg	10	0	0	82600	720000			9071_OILGREASE	9071_OILGREASE			
Total Inorganic Carbon	TINC	GENORG	µg/kg	10	5	50	45600	732000	793000	2910000	9060_TOC	415.1_TOC	104	106.5	B1D992
Total organic carbon	TOC	GENORG	µg/kg	10	7	70	54000	115000	43700	1020000	415.1_TOC	9060_TOC	22.5	25	B1D9Y5
Total petroleum hydrocarbons diesel range	TPHDIESEL	GENORG	µg/kg	10	0	0	520	4000			WTPH_DIESEL	WTPH_DIESEL			
Total petroleum hydrocarbons kerosene range	TPHKEROSENE	GENORG	µg/kg	10	0	0	500	4000			WTPH_DIESEL	WTPH_DIESEL			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			
Antimony	7440-36-0	METAL	µg/kg	3	3	100			1700	1900	6010_METALS_ICP_TR	6010_METALS_ICP_TR	19	21.5	B1D7C8
Arsenic	7440-38-2	METAL	µg/kg	10	10	100			650	2450	200.8_METALS_ICPMS	200.8_METALS_ICPMS	234	236.5	B1D994
Barium	7440-39-3	METAL	µg/kg	10	10	100			25500	88600	200.8_METALS_ICPMS	6010_METALS_ICP_TR	27.5	30	B1D7C8
Bismuth	7440-69-9	METAL	µg/kg	10	3	30	1080	1100	94300	102000	6010_METALS_ICP_TR	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Cadmium	7440-43-9	METAL	µg/kg	10	5	50	104	140	118	240	200.8_METALS_ICPMS	200.8_METALS_ICPMS	104	106.5	B1D992
Chromium	7440-47-3	METAL	µg/kg	10	10	100			3300	41800	6010_METALS_ICP_TR	200.8_METALS_ICPMS	178	180.5	B1D993
Copper	7440-50-8	METAL	µg/kg	10	10	100			5010	14700	200.8_METALS_ICPMS	6010_METALS_ICP_TR	27.5	30	B1D7C8
Hexavalent Chromium	18540-29-9	METAL	µg/kg	10	2	20	200	250	270	278	7196_CR6	7196_CR6	27.5	30	B1D7C7
Lead	7439-92-1	METAL	µg/kg	10	10	100			1390	5340	200.8_METALS_ICPMS	200.8_METALS_ICPMS	27.5	30	B1D7C7
Mercury	7439-97-6	METAL	µg/kg	10	2	20	7	106	119	300	200.8_METALS_ICPMS	7471_HG_CVAA	19	21.5	B1D9Y4
Nickel	7440-02-0	METAL	µg/kg	10	10	100			3890	30600	200.8_METALS_ICPMS	200.8_METALS_ICPMS	49	51.5	B1D7D0
Phosphorus	7723-14-0	METAL	µg/kg	10	10	100			451000	1430000	6010_METALS_ICP	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Selenium	7782-49-2	METAL	µg/kg	10	5	50	408	420	583	1800	200.8_METALS_ICPMS	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Silver	7440-22-4	METAL	µg/kg	10	1	10	102	270	135	135	200.8_METALS_ICPMS	200.8_METALS_ICPMS	49	51.5	B1D7C9
Thallium	7440-28-0	METAL	µg/kg	3	3	100			840	2500	6010_METALS_ICP_TR	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Uranium	7440-61-1	METAL	µg/kg	10	10	100			180	2160	200.8_METALS_ICPMS	UTOT_KPA	19	21.5	B1D9Y4
Bulk density - dry	BULKDENSITY-DRY	PHYSICAL	kg/m3	6	6	100			1712	2305	D2937_DENSITY	D2937_DENSITY	262	264.5	B1D995
Bulk density - wet	BULKDENSITY-WET	PHYSICAL	kg/m3	6	6	100			1749	2470	D2937_DENSITY	D2937_DENSITY	262	264.5	B1D995
Percent moisture (dry sample)	%MOISTURE-D	PHYSICAL	%	6	6	100			2.4	9.4	D2216_%MOIS	D2216_%MOIS	262	264.5	B1D995
Percent moisture (wet sample)	%MOISTURE	PHYSICAL	%	6	6	100			2.3	8.6	D2216_%MOIS	D2216_%MOIS	262	264.5	B1D995
Percent passing 1.5 inch sieve	PAS1.5IN	PHYSICAL	%	6	6	100			89.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	27.5	30	B1D7C7
Percent passing 3 inch sieve	PAS3IN	PHYSICAL	%	6	6	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	27.5	30	B1D7C7
Percent passing 3/4 inch sieve	PAS3/4IN	PHYSICAL	%	6	6	100			85.9	100	D422_PARTCLSIZE	D422_PARTCLSIZE	27.5	30	B1D7C7

Table A-13. Summary Table for All Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Percent passing 3/8 inch sieve	PAS3/8IN	PHYSICAL	%	6	6	100			80.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	104	106.5	B1D992
Percent passing No.10 sieve	PAS#10	PHYSICAL	%	6	6	100			47.7	99.3	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.100 sieve	PAS#100	PHYSICAL	%	6	6	100			6.6	36.1	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.140 sieve	PAS#140	PHYSICAL	%	6	6	100			5.2	29.2	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.20 sieve	PAS#20	PHYSICAL	%	6	6	100			28.9	97.1	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.200 sieve	PAS#200	PHYSICAL	%	6	6	100			4.1	23.7	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.4 sieve	PAS#4	PHYSICAL	%	6	6	100			70.3	99.8	D422_PARTCLSIZE	D422_PARTCLSIZE	104	106.5	B1D992
Percent passing No.40 sieve	PAS#40	PHYSICAL	%	6	6	100			18.5	79.2	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.60 sieve	PAS#60	PHYSICAL	%	6	6	100			10.2	53.5	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent Solids	%SOLIDS	PHYSICAL	%	1	1	100			94.2	94.2	%SOLIDS	%SOLIDS	27.5	30	B1D7C7
pH Measurement	PH	PHYSICAL	pH	10	10	100			8	9.18	9045 PH	150.1 PH	262	264.5	B1D995
Specific Gravity	SPECGVTY	PHYSICAL	unitless	6	6	100			2.7168	2.8549	D854_PARTLDEN	D854_PARTLDEN	27.5	30	B1D7C7
Americium-241	14596-10-2	RAD	pCi/g	10	0	0	-0.054	4.99			AMCMISO_IE_PLATE_AEA	AMCMISO_IE_PLATE_AEA			
Antimony-125	14234-35-6	RAD	pCi/g	12	0	0	-0.418	1800			GAMMA_GS	GAMMA_GS			
Carbon-14	14762-75-5	RAD	pCi/g	10	3	30	-1.11	0.004	4.34	89.7	C14_COX_LSC	C14_COX_LSC	27.5	30	B1D7C7
Cesium-134	13967-70-9	RAD	pCi/g	12	0	0	0.026	340			GAMMA_GS	GAMMA_GS			
Cesium-137	10045-97-3	RAD	pCi/g	18	10	56	-0.001	0.15	0.432	877000	GAMMA_GS	GAMMA_GS	19	21.5	B1D9Y4
Cobalt-60	10198-40-0	RAD	pCi/g	18	0	0	-0.005	170			GAMMA_GS	GAMMA_GS			
Europium-152	14683-23-9	RAD	pCi/g	18	0	0	-0.011	1500			GAMMA_GS	GAMMA_GS			
Europium-154	15585-10-1	RAD	pCi/g	18	0	0	-0.03	520			GAMMA_GS	GAMMA_GS			
Europium-155	14391-16-3	RAD	pCi/g	18	2	11	-0.338	860	0.045	0.055	GAMMA_GS	GAMMA_GS	49	51.5	B1D7C9
Gross alpha	12587-46-1	RAD	pCi/g	2	1	50	0.81	0.81	4.8	4.8	ALPHA_GPC	ALPHA_GPC	27.5	30	B1D7C7
Gross beta	12587-47-2	RAD	pCi/g	2	2	100			4.2	1400	BETA_GPC	BETA_GPC	27.5	30	B1D7C7
Iodine-129	15046-84-1	RAD	pCi/g	10	0	0	-2.39	1.13			I129_SEP_LEPS_GS	I129_SEP_LEPS_GS			
Neptunium-237	13994-20-2	RAD	pCi/g	4	2	50	0	0.27	0.015	3.53	NP237_LLE_PLATE_AEA	NP237_LLE_PLATE_AEA	19	21.5	B1D9Y4
Plutonium-238	13981-16-3	RAD	pCi/g	10	0	0	-0.002	0.046			PUISO_IE_PRECIP_AEA	PUISO_IE_PRECIP_AEA			
Plutonium-239/240	PU-239/240	RAD	pCi/g	10	4	40	-0.002	0.043	0.011	55.7	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	19	21.5	B1D9Y4
Potassium-40	13966-00-2	RAD	pCi/g	10	8	80	1.7	6200	7.9	17.4	GAMMA_GS	GAMMA_GS	234	236.5	B1D994
Radium-226	13982-63-3	RAD	pCi/g	11	7	64	0.31	760	0.224	0.617	GAMMA_GS	GAMMA_GS	234	236.5	B1D994
Radium-228	15262-20-1	RAD	pCi/g	11	7	64	0.387	870	0.479	1.1	GAMMA_GS	GAMMA_GS	22.5	25	B1D9Y5
Technetium-99	14133-76-7	RAD	pCi/g	10	3	30	-0.006	1.3	0.992	79.6	TC99_TR_SEP_GPC	TC99_TR_SEP_GPC	19	21.5	B1D9Y4
Thorium-228	14274-82-9	RAD	pCi/g	4	2	50	0	0.361	0.298	0.551	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	49	51.5	B1D7D0
Thorium-230	14269-63-7	RAD	pCi/g	4	1	25	-5	0.417	0.378	0.378	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	49	51.5	B1D7D0
Thorium-232	TH-232	RAD	pCi/g	4	2	50	-1.67	1.17	0.447	0.706	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	22.5	25	B1D9Y5
Total beta radiostrontium	SR-RAD	RAD	pCi/g	10	4	40	-0.39	0.25	0.28	4380	SRTOT_SEP_PRECIP_GPC	SRTOT_SEP_PRECIP_GPC	19	21.5	B1D9Y4
Tritium	10028-17-8	RAD	pCi/g	10	6	60	0.89	3.78	3.24	8.5	TRITIUM_COX_LSC	TRITIUM_COX_LSC	234	236.5	B1D994
Uranium-233/234	U-233/234	RAD	pCi/g	10	9	90	2.34	2.34	0.069	0.36	UISO_IE_PRECIP_AEA	UISO_PLATE_AEA	27.5	30	B1D7C8
Uranium-235	15117-96-1	RAD	pCi/g	10	4	40	-0.002	0.057	0.012	0.02	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	234	236.5	B1D994
Uranium-238	U-238	RAD	pCi/g	10	9	90	0	0	0.098	0.469	UISO_IE_PRECIP_AEA	UISO_PLATE_AEA	22.5	25	B1D9Y5

Table A-13. Summary Table for All Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
1,2,4-Trichlorobenzene	120-82-1	SVOA	µg/kg	10	0	0	35	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	SVOA	µg/kg	7	0	0	120	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2-Dichlorobenzene	95-50-1	SVOA	µg/kg	10	0	0	39	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,3-Dichlorobenzene	541-73-1	SVOA	µg/kg	10	0	0	33	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,4-Dichlorobenzene	106-46-7	SVOA	µg/kg	10	0	0	36	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,5-Trichlorophenol	95-95-4	SVOA	µg/kg	10	0	0	30	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,6-Trichlorophenol	88-06-2	SVOA	µg/kg	10	0	0	8.9	150			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dichlorophenol	120-83-2	SVOA	µg/kg	10	0	0	21	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dimethylphenol	105-67-9	SVOA	µg/kg	10	0	0	91	370			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrophenol	51-28-5	SVOA	µg/kg	10	0	0	99	340			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrotoluene	121-14-2	SVOA	µg/kg	10	0	0	36	130			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dichlorophenol	87-65-0	SVOA	µg/kg	1	0	0	20	20			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dinitrotoluene	606-20-2	SVOA	µg/kg	10	0	0	19	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Butoxyethanol	111-76-2	SVOA	µg/kg	7	0	0	84	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chloronaphthalene	91-58-7	SVOA	µg/kg	10	0	0	34	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chlorophenol	95-57-8	SVOA	µg/kg	10	0	0	18	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Ethyl-1-hexanol	104-76-7	SVOA	µg/kg	1	0	0	760	760			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylnaphthalene	91-57-6	SVOA	µg/kg	10	0	0	37	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylphenol (cresol, o-)	95-48-7	SVOA	µg/kg	10	0	0	34	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Naphthylamine	91-59-8	SVOA	µg/kg	10	0	0	44	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitroaniline	88-74-4	SVOA	µg/kg	10	0	0	8.7	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitrophenol	88-75-5	SVOA	µg/kg	10	0	0	38	230			8270_SVOA_GCMS	8270_SVOA_GCMS			
3,3'-Dichlorobenzidine	91-94-1	SVOA	µg/kg	10	0	0	120	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
3+4 Methylphenol (cresol, m+p)	65794-96-9	SVOA	µg/kg	10	0	0	68	270			8270_SVOA_GCMS	8270_SVOA_GCMS			
3-Nitroaniline	99-09-2	SVOA	µg/kg	10	0	0	59	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
4,6-Dinitro-2-methylphenol	534-52-1	SVOA	µg/kg	10	0	0	62	320			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Bromophenylphenyl ether	101-55-3	SVOA	µg/kg	10	0	0	36	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloro-3-methylphenol	59-50-7	SVOA	µg/kg	10	0	0	19	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloroaniline	106-47-8	SVOA	µg/kg	10	0	0	130	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chlorophenylphenyl ether	7005-72-3	SVOA	µg/kg	10	0	0	7.3	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitroaniline	100-01-6	SVOA	µg/kg	10	0	0	67	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitrophenol	100-02-7	SVOA	µg/kg	10	0	0	35	370			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthene	83-32-9	SVOA	µg/kg	10	0	0	36	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthylene	208-96-8	SVOA	µg/kg	10	0	0	27	150			8270_SVOA_GCMS	8270_SVOA_GCMS			
Anthracene	120-12-7	SVOA	µg/kg	10	0	0	18	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)anthracene	56-55-3	SVOA	µg/kg	10	0	0	36	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)pyrene	50-32-8	SVOA	µg/kg	10	0	0	32	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(b)fluoranthene	205-99-2	SVOA	µg/kg	10	0	0	37	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(ghi)perylene	191-24-2	SVOA	µg/kg	10	0	0	40	290			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(k)fluoranthene	207-08-9	SVOA	µg/kg	10	0	0	55	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzyl alcohol	100-51-6	SVOA	µg/kg	9	0	0	54	260			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloro-1-methylethyl)ether	108-60-1	SVOA	µg/kg	10	0	0	38	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-Chloroethoxy)methane	111-91-1	SVOA	µg/kg	10	0	0	35	170			8270_SVOA_GCMS	8270_SVOA_GCMS			

Table A-13. Summary Table for All Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Bis(2-chloroethyl) ether	111-44-4	SVOA	µg/kg	10	0	0	18	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-ethylhexyl) phthalate	117-81-7	SVOA	µg/kg	10	0	0	35	270			8270_SVOA_GCMS	8270_SVOA_GCMS			
Butylbenzylphthalate	85-68-7	SVOA	µg/kg	10	0	0	13	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
Carbazole	86-74-8	SVOA	µg/kg	10	0	0	20	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Chrysene	218-01-9	SVOA	µg/kg	10	0	0	40	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
Cyclohexanone	108-94-1	SVOA	µg/kg	7	0	0	89	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
Decane	124-18-5	SVOA	µg/kg	7	1	14	180	340	500	500	8270_SVOA_GCMS	8270_SVOA_GCMS	104	106.5	B1D992
Dibenz[a,h]anthracene	53-70-3	SVOA	µg/kg	10	0	0	35	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenzofuran	132-64-9	SVOA	µg/kg	10	0	0	19	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Diethylphthalate	84-66-2	SVOA	µg/kg	10	0	0	36	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dimethyl phthalate	131-11-3	SVOA	µg/kg	10	0	0	20	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Di-n-butylphthalate	84-74-2	SVOA	µg/kg	10	4	40	28	730	180	690	8270_SVOA_GCMS	8270_SVOA_GCMS	178	180.5	B1D993
Di-n-octylphthalate	117-84-0	SVOA	µg/kg	10	0	0	38	310			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluoranthene	206-44-0	SVOA	µg/kg	10	0	0	23	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluorene	86-73-7	SVOA	µg/kg	10	0	0	6.6	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobenzene	118-74-1	SVOA	µg/kg	10	0	0	17	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobutadiene	87-68-3	SVOA	µg/kg	10	0	0	38	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorocyclopentadiene	77-47-4	SVOA	µg/kg	10	0	0	37	240			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachloroethane	67-72-1	SVOA	µg/kg	10	0	0	37	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Indeno(1,2,3-cd)pyrene	193-39-5	SVOA	µg/kg	10	0	0	17	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Isophorone	78-59-1	SVOA	µg/kg	10	0	0	38	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Naphthalene	91-20-3	SVOA	µg/kg	10	0	0	35	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Nitrobenzene	98-95-3	SVOA	µg/kg	10	0	0	18	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodi-n-dipropylamine	621-64-7	SVOA	µg/kg	10	0	0	39	260			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodiphenylamine	86-30-6	SVOA	µg/kg	10	0	0	21	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
nonadecane	629-92-5	SVOA	µg/kg	1	1	100			1600	1600	8270_SVOA_GCMS	8270_SVOA_GCMS	104	106.5	B1D992
Pentachlorophenol	87-86-5	SVOA	µg/kg	10	0	0	74	290			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenanthrene	85-01-8	SVOA	µg/kg	10	0	0	6.7	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenol	108-95-2	SVOA	µg/kg	10	0	0	24	240			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pyrene	129-00-0	SVOA	µg/kg	10	0	0	35	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pyridine	110-86-1	SVOA	µg/kg	10	0	0	48	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Tributyl phosphate	126-73-8	SVOA	µg/kg	10	0	0	72	590			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,1,1-Trichloroethane	71-55-6	VOA	µg/kg	10	0	0	0.55	2.8			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2,2-Tetrachloroethane	79-34-5	VOA	µg/kg	10	0	0	0.12	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2-Trichloroethane	79-00-5	VOA	µg/kg	10	0	0	0.75	3.8			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethane	75-34-3	VOA	µg/kg	10	0	0	0.54	2.7			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethene	75-35-4	VOA	µg/kg	10	0	0	0.67	3.4			8260_VOA_GCMS	8260_VOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	VOA	µg/kg	3	0	0	0.57	2.8			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethane	107-06-2	VOA	µg/kg	10	0	0	0.42	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethene (Total)	540-59-0	VOA	µg/kg	10	0	0	0.22	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloropropane	78-87-5	VOA	µg/kg	10	0	0	0.46	2.3			8260_VOA_GCMS	8260_VOA_GCMS			
1-Butanol	71-36-3	VOA	µg/kg	10	0	0	8.7	44			8260_VOA_GCMS	8260_VOA_GCMS			
2-Butanone	78-93-3	VOA	µg/kg	10	0	0	0.76	3.8			8260_VOA_GCMS	8260_VOA_GCMS			
2-Hexanone	591-78-6	VOA	µg/kg	10	0	0	0.68	3.4			8260_VOA_GCMS	8260_VOA_GCMS			
2-Pentanone	107-87-9	VOA	µg/kg	7	0	0	1.7	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
2-Pentanone, 4-Methyl	108-10-1	VOA	µg/kg	10	0	0	0.67	3.4			8260_VOA_GCMS	8260_VOA_GCMS			

Table A-13. Summary Table for All Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Acetone	67-64-1	VOA	µg/kg	10	3	30	1.7	2.1	3.3	19	8260_VOA_GCMS	8260_VOA_GCMS	19	21.5	B1D9Y4
Acetonitrile	75-05-8	VOA	µg/kg	10	1	10	3.4	26	12	12	8260_VOA_GCMS	8260_VOA_GCMS	25	27.5	B1DB24
Benzene	71-43-2	VOA	µg/kg	10	0	0	0.13	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Bromodichloromethane	75-27-4	VOA	µg/kg	10	0	0	0.39	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Bromoform	75-25-2	VOA	µg/kg	10	0	0	0.62	3.1			8260_VOA_GCMS	8260_VOA_GCMS			
Bromomethane	74-83-9	VOA	µg/kg	10	0	0	0.64	3.2			8260_VOA_GCMS	8260_VOA_GCMS			
Carbon disulfide	75-15-0	VOA	µg/kg	10	0	0	0.1	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Carbon tetrachloride	56-23-5	VOA	µg/kg	10	0	0	0.45	2.2			8260_VOA_GCMS	8260_VOA_GCMS			
Chlorobenzene	108-90-7	VOA	µg/kg	10	0	0	0.54	2.7			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroethane	75-00-3	VOA	µg/kg	10	0	0	0.52	2.6			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroform	67-66-3	VOA	µg/kg	10	0	0	0.52	2.6			8260_VOA_GCMS	8260_VOA_GCMS			
Chloromethane	74-87-3	VOA	µg/kg	10	0	0	0.93	4.6			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,2-Dichloroethylene	156-59-2	VOA	µg/kg	8	0	0	0.48	2.4			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,3-Dichloropropene	10061-01-5	VOA	µg/kg	10	0	0	0.27	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Cyclohexane	110-82-7	VOA	µg/kg	10	0	0	0.3	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Cyclohexanone	108-94-1	VOA	µg/kg	3	0	0	2.7	14			8260_VOA_GCMS	8260_VOA_GCMS			
Dibromochloromethane	124-48-1	VOA	µg/kg	10	0	0	0.26	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Ethyl acetate	141-78-6	VOA	µg/kg	2	2	100			13	23	8260_VOA_GCMS	8260_VOA_GCMS	25	27.5	B1DB24
Ethylbenzene	100-41-4	VOA	µg/kg	10	0	0	0.44	2.2			8260_VOA_GCMS	8260_VOA_GCMS			
Hexane	110-54-3	VOA	µg/kg	10	0	0	0.84	4.2			8260_VOA_GCMS	8260_VOA_GCMS			
Methylene chloride	75-09-2	VOA	µg/kg	10	0	0	1.7	13			8260_VOA_GCMS	8260_VOA_GCMS			
n-Butylbenzene	104-51-8	VOA	µg/kg	10	0	0	0.6	3			8260_VOA_GCMS	8260_VOA_GCMS			
Styrene	100-42-5	VOA	µg/kg	10	0	0	0.47	2.4			8260_VOA_GCMS	8260_VOA_GCMS			
Tetrachloroethene	127-18-4	VOA	µg/kg	10	0	0	0.55	2.8			8260_VOA_GCMS	8260_VOA_GCMS			
Tetrahydrofuran	109-99-9	VOA	µg/kg	10	0	0	1.2	6.2			8260_VOA_GCMS	8260_VOA_GCMS			
Toluene	108-88-3	VOA	µg/kg	10	0	0	0.33	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,2-Dichloroethylene	156-60-5	VOA	µg/kg	10	0	0	0.69	3.4			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,3-Dichloropropene	10061-02-6	VOA	µg/kg	10	0	0	0.4	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Trichloroethene	79-01-6	VOA	µg/kg	10	0	0	0.44	2.2			8260_VOA_GCMS	8260_VOA_GCMS			
Trichloromonofluoromethane	75-69-4	VOA	µg/kg	10	0	0	0.64	3.2			8260_VOA_GCMS	8260_VOA_GCMS			
Vinyl chloride	75-01-4	VOA	µg/kg	10	0	0	0.71	3.6			8260_VOA_GCMS	8260_VOA_GCMS			
Xylenes (total)	1330-20-7	VOA	µg/kg	10	0	0	1.3	6.3			8260_VOA_GCMS	8260_VOA_GCMS			
Ammonia	7664-41-7	WETCHEM	µg/kg	3	0	0	70.5	74.2			350.1_AMMONIA	350.1_AMMONIA			
Ammonium ion	14798-03-9	WETCHEM	µg/kg	7	2	29	252	258	316	558	300.7_IC	300.7_IC	178	180.5	B1D993
Chloride	16887-00-6	WETCHEM	µg/kg	10	4	40	2550	2600	760	5280	300.0_ANIONS_IC	300.0_ANIONS_IC	27.5	30	B1D7C7
Fluoride	16984-48-8	WETCHEM	µg/kg	10	0	0	51	1150			300.0_ANIONS_IC	300.0_ANIONS_IC			
Nitrate	14797-55-8	WETCHEM	µg/kg	10	4	40	2820	2880	1550	31400	300.0_ANIONS_IC	300.0_ANIONS_IC	19	21.5	B1D9Y4
Nitrite	14797-65-0	WETCHEM	µg/kg	10	1	10	200	3120	312	312	300.0_ANIONS_IC	300.0_ANIONS_IC	22.5	25	B1D9Y5
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	WETCHEM	µg/kg	10	5	50	27	4000	220	53300	353.2_NO3/NO2	353.1_NO3/NO2	19	21.5	B1D9Y4
Phosphate	14265-44-2	WETCHEM	µg/kg	10	3	30	8130	8280	1500	2600	300.0_ANIONS_IC	300.0_ANIONS_IC	19	21.5	B1D9Y4
Sulfate	14808-79-8	WETCHEM	µg/kg	10	5	50	4900	5000	3400	107000	300.0_ANIONS_IC	300.0_ANIONS_IC	27.5	30	B1D7C7

Table A-14. Summary Table for Radiological-Only Constituents in Deep-Zone Soil Samples.

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Americium-241	14596-10-2	RAD	pCi/g	10	0	0	-0.054	4.99			AMCMISO_IE_PLATE_AEA	AMCMISO_IE_PLATE_AEA			
Antimony-125	14234-35-6	RAD	pCi/g	12	0	0	-0.418	1800			GAMMA_GS	GAMMA_GS			
Carbon-14	14762-75-5	RAD	pCi/g	10	3	30	-1.11	0.004	4.34	89.7	C14_COX_LSC	C14_COX_LSC	27.5	30	B1D7C7
Cesium-134	13967-70-9	RAD	pCi/g	12	0	0	0.026	340			GAMMA_GS	GAMMA_GS			
Cesium-137	10045-97-3	RAD	pCi/g	18	10	56	-0.001	0.15	0.432	877000	GAMMA_GS	GAMMA_GS	19	21.5	B1D9Y4
Cobalt-60	10198-40-0	RAD	pCi/g	18	0	0	-0.005	170			GAMMA_GS	GAMMA_GS			
Europium-152	14683-23-9	RAD	pCi/g	18	0	0	-0.011	1500			GAMMA_GS	GAMMA_GS			
Europium-154	15585-10-1	RAD	pCi/g	18	0	0	-0.03	520			GAMMA_GS	GAMMA_GS			
Europium-155	14391-16-3	RAD	pCi/g	18	2	11	-0.338	860	0.045	0.055	GAMMA_GS	GAMMA_GS	49	51.5	B1D7C9
Gross alpha	12587-46-1	RAD	pCi/g	2	1	50	0.81	0.81	4.8	4.8	ALPHA_GPC	ALPHA_GPC	27.5	30	B1D7C7
Gross beta	12587-47-2	RAD	pCi/g	2	2	100			4.2	1400	BETA_GPC	BETA_GPC	27.5	30	B1D7C7
Iodine-129	15046-84-1	RAD	pCi/g	10	0	0	-2.39	1.13			I129_SEP_LEPS_GS	I129_SEP_LEPS_GS			
Neptunium-237	13994-20-2	RAD	pCi/g	4	2	50	0	0.27	0.015	3.53	NP237_LLE_PLATE_AEA	NP237_LLE_PLATE_AEA	19	21.5	B1D9Y4
Plutonium-238	13981-16-3	RAD	pCi/g	10	0	0	-0.002	0.046			PUISO_IE_PRECIP_AEA	PUISO_IE_PRECIP_AEA			
Plutonium-239/240	PU-239/240	RAD	pCi/g	10	4	40	-0.002	0.043	0.011	55.7	PUISO_IE_PRECIP_AEA	PUISO_PLATE_AEA	19	21.5	B1D9Y4
Potassium-40	13966-00-2	RAD	pCi/g	10	8	80	1.7	6200	7.9	17.4	GAMMA_GS	GAMMA_GS	234	236.5	B1D994
Radium-226	13982-63-3	RAD	pCi/g	11	7	64	0.31	760	0.224	0.617	GAMMA_GS	GAMMA_GS	234	236.5	B1D994
Radium-228	15262-20-1	RAD	pCi/g	11	7	64	0.387	870	0.479	1.1	GAMMA_GS	GAMMA_GS	22.5	25	B1D9Y5
Technetium-99	14133-76-7	RAD	pCi/g	10	3	30	-0.006	1.3	0.992	79.6	TC99_TR_SEP_GPC	TC99_TR_SEP_GPC	19	21.5	B1D9Y4
Thorium-228	14274-82-9	RAD	pCi/g	4	2	50	0	0.361	0.298	0.551	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	49	51.5	B1D7D0
Thorium-230	14269-63-7	RAD	pCi/g	4	1	25	-5	0.417	0.378	0.378	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	49	51.5	B1D7D0
Thorium-232	TH-232	RAD	pCi/g	4	2	50	-1.67	1.17	0.447	0.706	THISO_IE_PLATE_AEA	THISO_IE_PLATE_AEA	22.5	25	B1D9Y5
Total beta radiostrontium	SR-RAD	RAD	pCi/g	10	4	40	-0.39	0.25	0.28	4380	SRTOT_SEP_PRECIP_GPC	SRTOT_SEP_PRECIP_GPC	19	21.5	B1D9Y4
Tritium	10028-17-8	RAD	pCi/g	10	6	60	0.89	3.78	3.24	8.5	TRITIUM_COX_LSC	TRITIUM_COX_LSC	234	236.5	B1D994
Uranium-233/234	U-233/234	RAD	pCi/g	10	9	90	2.34	2.34	0.069	0.36	UISO_IE_PRECIP_AEA	UISO_PLATE_AEA	27.5	30	B1D7C8
Uranium-235	15117-96-1	RAD	pCi/g	10	4	40	-0.002	0.057	0.012	0.02	UISO_IE_PRECIP_AEA	UISO_IE_PRECIP_AEA	234	236.5	B1D994
Uranium-238	U-238	RAD	pCi/g	10	9	90	0	0	0.098	0.469	UISO_IE_PRECIP_AEA	UISO_PLATE_AEA	22.5	25	B1D9Y5

Table A-15. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	GENORG	µg/kg	1	0	0	35	35			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Aldrin	309-00-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-BHC	319-84-6	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Alpha-Chlordane	5103-71-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Aroclor-1016	12674-11-2	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1221	11104-28-2	GENORG	µg/kg	10	0	0	4.7	27			8082_PCB_GC	8082_PCB_GC			
Aroclor-1232	11141-16-5	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1242	53469-21-9	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1248	12672-29-6	GENORG	µg/kg	10	0	0	4.7	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1254	11097-69-1	GENORG	µg/kg	10	1	10	4.8	13	39	39	8082_PCB_GC	8082_PCB_GC	234	236.5	B1D994
Aroclor-1260	11096-82-5	GENORG	µg/kg	10	0	0	4.8	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1262	37324-23-5	GENORG	µg/kg	7	0	0	10	13			8082_PCB_GC	8082_PCB_GC			
Aroclor-1268	11100-14-4	GENORG	µg/kg	7	0	0	10	13			8082_PCB_GC	8082_PCB_GC			
beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Calcium Carbonate	471-34-1	GENORG	%	6	5	83	0	0	0	2	D4373_GASGEN	D4373_GASGEN	104	106.5	B1D992
Dalapon	75-99-0	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Delta-BHC	319-86-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dicamba	1918-00-9	GENORG	µg/kg	1	0	0	70	70			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dichloroprop	120-36-5	GENORG	µg/kg	1	0	0	170	170			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Dieldrin	60-57-1	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	GENORG	µg/kg	1	0	0	17	17			8151_HERBICIDE_GC	8151_HERBICIDE_GC			
Endosulfan I	959-98-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Endosulfan II	33213-65-9	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endosulfan sulfate	1031-07-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			

Table A-15. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Endrin	72-20-8	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin aldehyde	7421-93-4	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Endrin ketone	53494-70-5	GENORG	µg/kg	1	0	0	3.5	3.5			8081_PEST_GC	8081_PEST_GC			
Gamma-BHC (Lindane)	58-89-9	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Gamma-Chlordane	5103-74-2	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor	76-44-8	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Heptachlor epoxide	1024-57-3	GENORG	µg/kg	1	0	0	1.7	1.7			8081_PEST_GC	8081_PEST_GC			
Methoxychlor	72-43-5	GENORG	µg/kg	1	0	0	17	17			8081_PEST_GC	8081_PEST_GC			
Oil and grease	OIL/GREASE	GENORG	µg/kg	10	0	0	82600	720000			9071_OILGREASE	9071_OILGREASE			
Total Inorganic Carbon	TINC	GENORG	µg/kg	10	5	50	45600	732000	793000	2910000	9060_TOC	415.1_TOC	104	106.5	B1D992
Total organic carbon	TOC	GENORG	µg/kg	10	7	70	54000	115000	43700	1020000	415.1_TOC	9060_TOC	22.5	25	B1D9Y5
Total petroleum hydrocarbons diesel range	TPHDIESEL	GENORG	µg/kg	10	0	0	520	4000			WTPH_DIESEL	WTPH_DIESEL			
Total petroleum hydrocarbons kerosene range	TPH KEROSENE	GENORG	µg/kg	10	0	0	500	4000			WTPH_DIESEL	WTPH_DIESEL			
Toxaphene	8001-35-2	GENORG	µg/kg	1	0	0	170	170			8081_PEST_GC	8081_PEST_GC			
Antimony	7440-36-0	METAL	µg/kg	3	3	100			1700	1900	6010_METALS_ICP_TR	6010_METALS_ICP_TR	19	21.5	B1D7C8
Arsenic	7440-38-2	METAL	µg/kg	10	10	100			650	2450	200.8_METALS_ICPMS	200.8_METALS_ICPMS	234	236.5	B1D994
Barium	7440-39-3	METAL	µg/kg	10	10	100			25500	88600	200.8_METALS_ICPMS	6010_METALS_ICP_TR	27.5	30	B1D7C8
Bismuth	7440-69-9	METAL	µg/kg	10	3	30	1080	1100	94300	102000	6010_METALS_ICP_TR	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Cadmium	7440-43-9	METAL	µg/kg	10	5	50	104	140	118	240	200.8_METALS_ICPMS	200.8_METALS_ICPMS	104	106.5	B1D992
Chromium	7440-47-3	METAL	µg/kg	10	10	100			3300	41800	6010_METALS_ICP_TR	200.8_METALS_ICPMS	178	180.5	B1D993
Copper	7440-50-8	METAL	µg/kg	10	10	100			5010	14700	200.8_METALS_ICPMS	6010_METALS_ICP_TR	27.5	30	B1D7C8
Hexavalent Chromium	18540-29-9	METAL	µg/kg	10	2	20	200	250	270	278	7196_CR6	7196_CR6	27.5	30	B1D7C7
Lead	7439-92-1	METAL	µg/kg	10	10	100			1390	5340	200.8_METALS_ICPMS	200.8_METALS_ICPMS	27.5	30	B1D7C7
Mercury	7439-97-6	METAL	µg/kg	10	2	20	7	106	119	300	200.8_METALS_ICPMS	7471_HG_CVAA	19	21.5	B1D9Y4
Nickel	7440-02-0	METAL	µg/kg	10	10	100			3890	30600	200.8_METALS_ICPMS	200.8_METALS_ICPMS	49	51.5	B1D7D0
Phosphorus	7723-14-0	METAL	µg/kg	10	10	100			451000	1430000	6010_METALS_ICP	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Selenium	7782-49-2	METAL	µg/kg	10	5	50	408	420	583	1800	200.8_METALS_ICPMS	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Silver	7440-22-4	METAL	µg/kg	10	1	10	102	270	135	135	200.8_METALS_ICPMS	200.8_METALS_ICPMS	49	51.5	B1D7C9
Thallium	7440-28-0	METAL	µg/kg	3	3	100			840	2500	6010_METALS_ICP_TR	6010_METALS_ICP_TR	19	21.5	B1D9Y4
Uranium	7440-61-1	METAL	µg/kg	10	10	100			180	2160	200.8_METALS_ICPMS	UTOT_KPA	19	21.5	B1D9Y4
Bulk density - dry	BULKDENSITY-DRY	PHYSICAL	kg/m3	6	6	100			1712	2305	D2937_DENSITY	D2937_DENSITY	262	264.5	B1D995
Bulk density - wet	BULKDENSITY-WET	PHYSICAL	kg/m3	6	6	100			1749	2470	D2937_DENSITY	D2937_DENSITY	262	264.5	B1D995
Percent moisture (dry sample)	%MOISTURE-D	PHYSICAL	%	6	6	100			2.4	9.4	D2216_%MOIS	D2216_%MOIS	262	264.5	B1D995
Percent moisture (wet sample)	%MOISTURE	PHYSICAL	%	6	6	100			2.3	8.6	D2216_%MOIS	D2216_%MOIS	262	264.5	B1D995
Percent passing 1.5 inch sieve	PAS1.5IN	PHYSICAL	%	6	6	100			89.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	27.5	30	B1D7C7
Percent passing 3 inch sieve	PAS3IN	PHYSICAL	%	6	6	100			100	100	D422_PARTCLSIZE	D422_PARTCLSIZE	27.5	30	B1D7C7
Percent passing 3/4 inch sieve	PAS3/4IN	PHYSICAL	%	6	6	100			85.9	100	D422_PARTCLSIZE	D422_PARTCLSIZE	27.5	30	B1D7C7

Table A-15. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Percent passing 3/8 inch sieve	PAS3/8IN	PHYSICAL	%	6	6	100			80.8	100	D422_PARTCLSIZE	D422_PARTCLSIZE	104	106.5	B1D992
Percent passing No.10 sieve	PAS#10	PHYSICAL	%	6	6	100			47.7	99.3	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.100 sieve	PAS#100	PHYSICAL	%	6	6	100			6.6	36.1	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.140 sieve	PAS#140	PHYSICAL	%	6	6	100			5.2	29.2	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.20 sieve	PAS#20	PHYSICAL	%	6	6	100			28.9	97.1	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.200 sieve	PAS#200	PHYSICAL	%	6	6	100			4.1	23.7	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.4 sieve	PAS#4	PHYSICAL	%	6	6	100			70.3	99.8	D422_PARTCLSIZE	D422_PARTCLSIZE	104	106.5	B1D992
Percent passing No.40 sieve	PAS#40	PHYSICAL	%	6	6	100			18.5	79.2	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent passing No.60 sieve	PAS#60	PHYSICAL	%	6	6	100			10.2	53.5	D422_PARTCLSIZE	D422_PARTCLSIZE	234	236.5	B1D994
Percent Solids	%SOLIDS	PHYSICAL	%	1	1	100			94.2	94.2	%SOLIDS	%SOLIDS	27.5	30	B1D7C7
pH Measurement	PH	PHYSICAL	pH	10	10	100			8	9.18	9045_PH	150.1_PH	262	264.5	B1D995
Specific Gravity	SPECGVTY	PHYSICAL	unitless	6	6	100			2.7168	2.8549	D854_PARTLDEN	D854_PARTLDEN	27.5	30	B1D7C7
1,2,4-Trichlorobenzene	120-82-1	SVOA	µg/kg	10	0	0	35	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	SVOA	µg/kg	7	0	0	120	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,2-Dichlorobenzene	95-50-1	SVOA	µg/kg	10	0	0	39	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,3-Dichlorobenzene	541-73-1	SVOA	µg/kg	10	0	0	33	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,4-Dichlorobenzene	106-46-7	SVOA	µg/kg	10	0	0	36	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,5-Trichlorophenol	95-95-4	SVOA	µg/kg	10	0	0	30	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4,6-Trichlorophenol	88-06-2	SVOA	µg/kg	10	0	0	8.9	150			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dichlorophenol	120-83-2	SVOA	µg/kg	10	0	0	21	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dimethylphenol	105-67-9	SVOA	µg/kg	10	0	0	91	370			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrophenol	51-28-5	SVOA	µg/kg	10	0	0	99	340			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,4-Dinitrotoluene	121-14-2	SVOA	µg/kg	10	0	0	36	130			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dichlorophenol	87-65-0	SVOA	µg/kg	1	0	0	20	20			8270_SVOA_GCMS	8270_SVOA_GCMS			
2,6-Dinitrotoluene	606-20-2	SVOA	µg/kg	10	0	0	19	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Butoxyethanol	111-76-2	SVOA	µg/kg	7	0	0	84	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chloronaphthalene	91-58-7	SVOA	µg/kg	10	0	0	34	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Chlorophenol	95-57-8	SVOA	µg/kg	10	0	0	18	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Ethyl-1-hexanol	104-76-7	SVOA	µg/kg	1	0	0	760	760			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylnaphthalene	91-57-6	SVOA	µg/kg	10	0	0	37	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Methylphenol (cresol, o-)	95-48-7	SVOA	µg/kg	10	0	0	34	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Naphthylamine	91-59-8	SVOA	µg/kg	10	0	0	44	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitroaniline	88-74-4	SVOA	µg/kg	10	0	0	8.7	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
2-Nitrophenol	88-75-5	SVOA	µg/kg	10	0	0	38	230			8270_SVOA_GCMS	8270_SVOA_GCMS			
3,3'-Dichlorobenzidine	91-94-1	SVOA	µg/kg	10	0	0	120	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
3+4 Methylphenol (cresol, m+p)	65794-96-9	SVOA	µg/kg	10	0	0	68	270			8270_SVOA_GCMS	8270_SVOA_GCMS			
3-Nitroaniline	99-09-2	SVOA	µg/kg	10	0	0	59	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
4,6-Dinitro-2-methylphenol	534-52-1	SVOA	µg/kg	10	0	0	62	320			8270_SVOA_GCMS	8270_SVOA_GCMS			

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Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
4-Bromophenylphenyl ether	101-55-3	SVOA	µg/kg	10	0	0	36	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloro-3-methylphenol	59-50-7	SVOA	µg/kg	10	0	0	19	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chloroaniline	106-47-8	SVOA	µg/kg	10	0	0	130	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Chlorophenylphenyl ether	7005-72-3	SVOA	µg/kg	10	0	0	7.3	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitroaniline	100-01-6	SVOA	µg/kg	10	0	0	67	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
4-Nitrophenol	100-02-7	SVOA	µg/kg	10	0	0	35	370			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthene	83-32-9	SVOA	µg/kg	10	0	0	36	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
Acenaphthylene	208-96-8	SVOA	µg/kg	10	0	0	27	150			8270_SVOA_GCMS	8270_SVOA_GCMS			
Anthracene	120-12-7	SVOA	µg/kg	10	0	0	18	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)anthracene	56-55-3	SVOA	µg/kg	10	0	0	36	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(a)pyrene	50-32-8	SVOA	µg/kg	10	0	0	32	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(b)fluoranthene	205-99-2	SVOA	µg/kg	10	0	0	37	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(ghi)perylene	191-24-2	SVOA	µg/kg	10	0	0	40	290			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzo(k)fluoranthene	207-08-9	SVOA	µg/kg	10	0	0	55	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
Benzyl alcohol	100-51-6	SVOA	µg/kg	9	0	0	54	260			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloro-1-methylethyl)ether	108-60-1	SVOA	µg/kg	10	0	0	38	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-Chloroethoxy)methane	111-91-1	SVOA	µg/kg	10	0	0	35	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-chloroethyl) ether	111-44-4	SVOA	µg/kg	10	0	0	18	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
Bis(2-ethylhexyl) phthalate	117-81-7	SVOA	µg/kg	10	0	0	35	270			8270_SVOA_GCMS	8270_SVOA_GCMS			
Butylbenzylphthalate	85-68-7	SVOA	µg/kg	10	0	0	13	220			8270_SVOA_GCMS	8270_SVOA_GCMS			
Carbazole	86-74-8	SVOA	µg/kg	10	0	0	20	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Chrysene	218-01-9	SVOA	µg/kg	10	0	0	40	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
Cyclohexanone	108-94-1	SVOA	µg/kg	7	0	0	89	200			8270_SVOA_GCMS	8270_SVOA_GCMS			
Decane	124-18-5	SVOA	µg/kg	7	1	14	180	340	500	500	8270_SVOA_GCMS	8270_SVOA_GCMS	104	106.5	B1D992
Dibenz[a,h]anthracene	53-70-3	SVOA	µg/kg	10	0	0	35	250			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dibenzofuran	132-64-9	SVOA	µg/kg	10	0	0	19	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Diethylphthalate	84-66-2	SVOA	µg/kg	10	0	0	36	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Dimethyl phthalate	131-11-3	SVOA	µg/kg	10	0	0	20	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Di-n-butylphthalate	84-74-2	SVOA	µg/kg	10	4	40	28	730	180	690	8270_SVOA_GCMS	8270_SVOA_GCMS	178	180.5	B1D993
Di-n-octylphthalate	117-84-0	SVOA	µg/kg	10	0	0	38	310			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluoranthene	206-44-0	SVOA	µg/kg	10	0	0	23	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Fluorene	86-73-7	SVOA	µg/kg	10	0	0	6.6	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobenzene	118-74-1	SVOA	µg/kg	10	0	0	17	160			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorobutadiene	87-68-3	SVOA	µg/kg	10	0	0	38	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachlorocyclopentadiene	77-47-4	SVOA	µg/kg	10	0	0	37	240			8270_SVOA_GCMS	8270_SVOA_GCMS			
Hexachloroethane	67-72-1	SVOA	µg/kg	10	0	0	37	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Indeno(1,2,3-cd)pyrene	193-39-5	SVOA	µg/kg	10	0	0	17	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Isophorone	78-59-1	SVOA	µg/kg	10	0	0	38	190			8270_SVOA_GCMS	8270_SVOA_GCMS			
Naphthalene	91-20-3	SVOA	µg/kg	10	0	0	35	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
Nitrobenzene	98-95-3	SVOA	µg/kg	10	0	0	18	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodi-n-dipropylamine	621-64-7	SVOA	µg/kg	10	0	0	39	260			8270_SVOA_GCMS	8270_SVOA_GCMS			
n-Nitrosodiphenylamine	86-30-6	SVOA	µg/kg	10	0	0	21	170			8270_SVOA_GCMS	8270_SVOA_GCMS			
nonadecane	629-92-5	SVOA	µg/kg	1	1	100			1600	1600	8270_SVOA_GCMS	8270_SVOA_GCMS	104	106.5	B1D992

Table A-15. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
Pentachlorophenol	87-86-5	SVOA	µg/kg	10	0	0	74	290			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenanthrene	85-01-8	SVOA	µg/kg	10	0	0	6.7	180			8270_SVOA_GCMS	8270_SVOA_GCMS			
Phenol	108-95-2	SVOA	µg/kg	10	0	0	24	240			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pyrene	129-00-0	SVOA	µg/kg	10	0	0	35	210			8270_SVOA_GCMS	8270_SVOA_GCMS			
Pyridine	110-86-1	SVOA	µg/kg	10	0	0	48	140			8270_SVOA_GCMS	8270_SVOA_GCMS			
Tributyl phosphate	126-73-8	SVOA	µg/kg	10	0	0	72	590			8270_SVOA_GCMS	8270_SVOA_GCMS			
1,1,1-Trichloroethane	71-55-6	VOA	µg/kg	10	0	0	0.55	2.8			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2,2-Tetrachloroethane	79-34-5	VOA	µg/kg	10	0	0	0.12	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
1,1,2-Trichloroethane	79-00-5	VOA	µg/kg	10	0	0	0.75	3.8			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethane	75-34-3	VOA	µg/kg	10	0	0	0.54	2.7			8260_VOA_GCMS	8260_VOA_GCMS			
1,1-Dichloroethene	75-35-4	VOA	µg/kg	10	0	0	0.67	3.4			8260_VOA_GCMS	8260_VOA_GCMS			
1,2,4-Trimethylbenzene	95-63-6	VOA	µg/kg	3	0	0	0.57	2.8			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethane	107-06-2	VOA	µg/kg	10	0	0	0.42	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloroethene (Total)	540-59-0	VOA	µg/kg	10	0	0	0.22	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
1,2-Dichloropropane	78-87-5	VOA	µg/kg	10	0	0	0.46	2.3			8260_VOA_GCMS	8260_VOA_GCMS			
1-Butanol	71-36-3	VOA	µg/kg	10	0	0	8.7	44			8260_VOA_GCMS	8260_VOA_GCMS			
2-Butanone	78-93-3	VOA	µg/kg	10	0	0	0.76	3.8			8260_VOA_GCMS	8260_VOA_GCMS			
2-Hexanone	591-78-6	VOA	µg/kg	10	0	0	0.68	3.4			8260_VOA_GCMS	8260_VOA_GCMS			
2-Pentanone	107-87-9	VOA	µg/kg	7	0	0	1.7	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
2-Pentanone, 4-Methyl	108-10-1	VOA	µg/kg	10	0	0	0.67	3.4			8260_VOA_GCMS	8260_VOA_GCMS			
Acetone	67-64-1	VOA	µg/kg	10	3	30	1.7	2.1	3.3	19	8260_VOA_GCMS	8260_VOA_GCMS	19	21.5	B1D9Y4
Acetonitrile	75-05-8	VOA	µg/kg	10	1	10	3.4	26	12	12	8260_VOA_GCMS	8260_VOA_GCMS	25	27.5	B1DB24
Benzene	71-43-2	VOA	µg/kg	10	0	0	0.13	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Bromodichloromethane	75-27-4	VOA	µg/kg	10	0	0	0.39	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Bromoform	75-25-2	VOA	µg/kg	10	0	0	0.62	3.1			8260_VOA_GCMS	8260_VOA_GCMS			
Bromomethane	74-83-9	VOA	µg/kg	10	0	0	0.64	3.2			8260_VOA_GCMS	8260_VOA_GCMS			
Carbon disulfide	75-15-0	VOA	µg/kg	10	0	0	0.1	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Carbon tetrachloride	56-23-5	VOA	µg/kg	10	0	0	0.45	2.2			8260_VOA_GCMS	8260_VOA_GCMS			
Chlorobenzene	108-90-7	VOA	µg/kg	10	0	0	0.54	2.7			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroethane	75-00-3	VOA	µg/kg	10	0	0	0.52	2.6			8260_VOA_GCMS	8260_VOA_GCMS			
Chloroform	67-66-3	VOA	µg/kg	10	0	0	0.52	2.6			8260_VOA_GCMS	8260_VOA_GCMS			
Chloromethane	74-87-3	VOA	µg/kg	10	0	0	0.93	4.6			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,2-Dichloroethylene	156-59-2	VOA	µg/kg	8	0	0	0.48	2.4			8260_VOA_GCMS	8260_VOA_GCMS			
cis-1,3-Dichloropropene	10061-01-5	VOA	µg/kg	10	0	0	0.27	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Cyclohexane	110-82-7	VOA	µg/kg	10	0	0	0.3	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Cyclohexanone	108-94-1	VOA	µg/kg	3	0	0	2.7	14			8260_VOA_GCMS	8260_VOA_GCMS			
Dibromochloromethane	124-48-1	VOA	µg/kg	10	0	0	0.26	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Ethyl acetate	141-78-6	VOA	µg/kg	2	2	100			13	23	8260_VOA_GCMS	8260_VOA_GCMS	25	27.5	B1DB24
Ethylbenzene	100-41-4	VOA	µg/kg	10	0	0	0.44	2.2			8260_VOA_GCMS	8260_VOA_GCMS			
Hexane	110-54-3	VOA	µg/kg	10	0	0	0.84	4.2			8260_VOA_GCMS	8260_VOA_GCMS			
Methylene chloride	75-09-2	VOA	µg/kg	10	0	0	1.7	13			8260_VOA_GCMS	8260_VOA_GCMS			
n-Butylbenzene	104-51-8	VOA	µg/kg	10	0	0	0.6	3			8260_VOA_GCMS	8260_VOA_GCMS			
Styrene	100-42-5	VOA	µg/kg	10	0	0	0.47	2.4			8260_VOA_GCMS	8260_VOA_GCMS			
Tetrachloroethene	127-18-4	VOA	µg/kg	10	0	0	0.55	2.8			8260_VOA_GCMS	8260_VOA_GCMS			
Tetrahydrofuran	109-99-9	VOA	µg/kg	10	0	0	1.2	6.2			8260_VOA_GCMS	8260_VOA_GCMS			
Toluene	108-88-3	VOA	µg/kg	10	0	0	0.33	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
trans-1,2-Dichloroethylene	156-60-5	VOA	µg/kg	10	0	0	0.69	3.4			8260_VOA_GCMS	8260_VOA_GCMS			

Table A-15. Summary Table for Nonradiological Constituents in Deep-Zone Soil Samples. (6 Pages)

Constituent	CAS Number	Constituent Class	Units	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum Nondetect	Maximum Nondetect	Minimum Detect	Maximum Detect	Analytical Method for Minimum Detect (or nondetect)	Analytical Method for Maximum Detect (or nondetect)	Start Depth of Maximum Detect (ft bgs)	End Depth of Maximum Detect (ft bgs)	Sample Number of Maximum Detect
216-A-8 Crib - Borehole C4545															
trans-1,3-Dichloropropene	10061-02-6	VOA	µg/kg	10	0	0	0.4	2.1			8260_VOA_GCMS	8260_VOA_GCMS			
Trichloroethene	79-01-6	VOA	µg/kg	10	0	0	0.44	2.2			8260_VOA_GCMS	8260_VOA_GCMS			
Trichloromonofluoromethane	75-69-4	VOA	µg/kg	10	0	0	0.64	3.2			8260_VOA_GCMS	8260_VOA_GCMS			
Vinyl chloride	75-01-4	VOA	µg/kg	10	0	0	0.71	3.6			8260_VOA_GCMS	8260_VOA_GCMS			
Xylenes (total)	1330-20-7	VOA	µg/kg	10	0	0	1.3	6.3			8260_VOA_GCMS	8260_VOA_GCMS			
Ammonia	7664-41-7	WETCHEM	µg/kg	3	0	0	70.5	74.2			350.1_AMMONIA	350.1_AMMONIA			
Ammonium ion	14798-03-9	WETCHEM	µg/kg	7	2	29	252	258	316	558	300.7_IC	300.7_IC	178	180.5	B1D993
Chloride	16887-00-6	WETCHEM	µg/kg	10	4	40	2550	2600	760	5280	300.0_ANIONS_IC	300.0_ANIONS_IC	27.5	30	B1D7C7
Fluoride	16984-48-8	WETCHEM	µg/kg	10	0	0	51	1150			300.0_ANIONS_IC	300.0_ANIONS_IC			
Nitrate	14797-55-8	WETCHEM	µg/kg	10	4	40	2820	2880	1550	31400	300.0_ANIONS_IC	300.0_ANIONS_IC	19	21.5	B1D9Y4
Nitrite	14797-65-0	WETCHEM	µg/kg	10	1	10	200	3120	312	312	300.0_ANIONS_IC	300.0_ANIONS_IC	22.5	25	B1D9Y5
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	WETCHEM	µg/kg	10	5	50	27	4000	220	53300	353.2_NO3/NO2	353.1_NO3/NO2	19	21.5	B1D9Y4
Phosphate	14265-44-2	WETCHEM	µg/kg	10	3	30	8130	8280	1500	2600	300.0_ANIONS_IC	300.0_ANIONS_IC	19	21.5	B1D9Y4
Sulfate	14808-79-8	WETCHEM	µg/kg	10	5	50	4900	5000	3400	107000	300.0_ANIONS_IC	300.0_ANIONS_IC	27.5	30	B1D7C7

APPENDIX B

DATA EVALUATION AND DATA SUMMARY TABLES

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APPENDIX B

DATA EVALUATION AND DATA SUMMARY TABLES

INTRODUCTION

The tables in this appendix list all of the chemical, radiochemical, and physical results obtained for Boreholes C3426 and C3427 at the 216-Z-9 Trench and Borehole C4545 at the 216-A-8 Crib for this remedial investigation report. These results apply mainly to samples from the vadose zone. The tables omit any groundwater samples retrieved from the boreholes, most of the sediment samples in the groundwater region, and most of the trip blanks associated with samples in the groundwater region.

The "Sample" column gives the sample number used in the *Hanford Environmental Information System* database.

The "Sample Type" column provides the following sample types:

- EB equipment blank
- FB field blank
- R replicate
- S split
- TB trip blank.

The "Lab Code" column indicates the name/location of the laboratory that performed the analyses:

- 222-S = Advanced Technologies and Laboratories International, Inc., Hanford Site, Washington (located in the 222-S Analytical Laboratory Complex)
- EBRLNE = Eberline Services, Richland, Washington
- FIELD = field analysis
- RLNP = Lionville Laboratory, Inc., Exton, Pennsylvania (formerly Recra LabNet Philadelphia)
- SHAW = Shaw Group, Inc., Geotechnical Laboratory, Oak Ridge, Tennessee
- STLSL = Severn Trent Laboratories, Inc., St. Louis, Missouri
- WSCF = Waste Sampling and Characterization Facility, Hanford Site, Washington.

The letters in the columns labeled "Q" are quality control flags affixed by the laboratories. The flags have the following meanings. Where more than one letter is used for a result, the meanings of the individual letters are combined.

B: For organic analyses, indicates that the blank was contaminated with the analyte. For inorganic analysis, indicates that the analyte was detected in the sample at a level below the target quantitation limit.

C: For organic analyses, indicates that analyte result was confirmed by gas chromatography scan.

For inorganic analysis, indicates that the analyte was detected in the associated method blank and in the sample at a concentration less than or equal to five times the level found in the blank.

D: Result was determined on a dilution of the sample.

E: For organic analysis, indicates that the result exceeded the calibration range.

For inorganic analysis, indicates that the result is an estimate, due to interference.

J: Result is an estimate.

N: Tentatively identified compound.

U: Analyte was undetected, with the indicated reporting limit.

X: Some data necessary to compute the result; error or minimum detectable activity was entered or modified manually.

Where validation qualifier flags were assigned by the data validator, they are entered in a separate column labeled "VQ." Where validation flags do not occur, this column may be omitted. Validation flags have the following meanings.

H: Lab quality control sample had high recovery
J: Result is an estimate
R: Result is rejected for decision-making
U: Analyte was undetected, with the indicated reporting limit.

For radionuclide analysis, a column labeled "MDA" appears. This column gives the "minimum detectable activity" as reported by the laboratory.

Columns with blank data and a corresponding laboratory code indicate results that were analyzed for but were not detected.

The row across the bottom of each table gives the target quantitation limits (TQL) taken from Table 2-1 of the borehole sampling and analysis plan (SAP; DOE/RL-2001-01, Appendix E). These are the detection limits that should be achieved in the analyses. Entries of "N/A" in this row indicate either that the analyte is not a COPC, or there is no limit specified in Table 2-1 of the SAP.

Analyte names are given in the top row of each table. Below each analyte name are shown the Chemical Abstracts Service number and/or U.S. Environmental Protection Agency (EPA) or American Society for Testing and Materials number (numbers beginning with D) or Washington State Department of Ecology method number(s) and/or brief descriptive name(s) of the analytical method(s) used for the analyte. The method numbers and their definitions are referenced in the following table.

Method	Definition	Reference
150.1	150.1 method for pH	EPA/600/4-79/020
160.3	160.3 method for total residue	EPA/600/4-79/020
200.8	200.8 trace elements in water and wastes – ICP/MS	EPA/600/R-94/111
300.0	300.0 ion chromatography method for anions	EPA/600/R-93/100
300.7	300.7 method for metals	EPA/600/4-86/024
310.1	310.1 method for pH 4.5 for titrimetric alkalinity	EPA/600/4-79/020
335.2	335.2 method for cyanide	EPA/600/4-79/020
350.1	350.1 method for ammonia	EPA/600/R-93/100
350.3	350.3 method for ammonia as nitrogen-potentiometric	EPA/600/4-79/020
353.1	353.1 method for nitrogen in nitrate and nitrite	EPA/600/4-79/020
353.2	353.2 nitrate-nitrite as N	EPA/600/R-93/100
413.1	413.1 method for oil and grease	EPA/600/4-79/020
415.1	415.1 total organic carbon	EPA/600/4-79/020
900	900 method for gross alpha and gross beta radioactivity	EPA/600/4-80/032
906.0	906 method for tritium	EPA/600/4-80/032
1625	1625 method for isotopic dilution of semivolatile organic compounds	40 CFR 136, Appendix A
6010	6010 method for atomic emission spectrometry of inorganics by inductively coupled plasma	SW-846, update IVB
7196	7196 colorimetric method for hexavalent chromium	SW-846
7471	7471 mercury in solid/semisolid waste	SW-846, update IVA
8081	8081 gas chromatography method for pesticides	SW-846, update IVA
8082	8082 gas chromatography method for polychlorinated biphenyls	SW-846, update IVB
8151	8151 gas chromatography method for herbicides	SW-846
8260	8260 gas chromatography/mass spectrometry method for volatile organic compounds	SW-846
8270	8270 gas chromatography/mass spectrometry method for semivolatile organic compounds	SW-846, update IVA
9010	9010 method for cyanide	SW-846, update IIIB
9030	9030 distillation for sulfides	SW-846
9045	9045 method for soil and waste pH	SW-846, update IIIB
9056	9056 ion chromatography for inorganic ions	SW-846, update IVB
9060	9060 method for total organic carbon	SW-846, update IIIB
9070	9070 method for oil and grease	SW-846
9071	9071 method for oil and grease	SW-846
9081	9081 method for cation-exchange capacity of soils (sodium)	SW-846
D422	Test method for particle-size analysis of soils	ASTM D422
D854	Specific gravity of soil and solids by water pycnometer	ASTM D854-02
D2216	Lab determination of water (moisture) content of soil and rock by mass	ASTM D2216-98

Method	Definition	Reference
D2937	Density of soil in place by drive-cylinder method	ASTM D2937
D4373	Rapid determination of carbonate content of soils	ASTM D4373-02
D5084	Measurement of hydraulic conductivity of saturated porous materials using flexible wall permeameter	ASTM D5084
TO-15	Toxic organic compounds in ambient air	EPA/625/R-96/010b
WDOE-TPH	Total petroleum hydrocarbon (now NWTPH)	Ecology 97-602

Following are the abbreviations and definitions of the method names.

Term	Definition	Term	Definition
3M	separation using a 3M brand separations disk	LX	liquid extraction
AEA	alpha energy analysis	MIRAN	ambient air analyzer
B&K	Brüel & Kjær 1302 photoacoustic gas analyzer	MS	mass spectrometry
CEC	cation exchange capacity	N/A	not applicable / not available
ChemOX	chemical oxidation	N/R	not required
CombOX	oxidation by combustion	PAA	(infrared) photoacoustic analyzer
Dist	separation by distillation	PAS	% passing through sieve
Eichrom	Eichrom Technologies, Inc., Darien, Illinois	pH	acidity/alkalinity
GC	gas chromatography	PLATE	alpha mount by electroplating
GEA	gamma energy analysis	PREC	chemical precipitation
GPC	gas-proportional counting	SEP	chemical separation
Gravimetry	Used for quantitatively measuring an analyte	SPECGVTY	specific gravity
HYDCON	hydraulic conductivity	TCLP	toxicity characteristic leaching procedure
ICP	inductively coupled plasma	TEVA	Eichrom method of analyzing Tc-99
IR	infrared (spectrometry)	TINC	total inorganic carbon
IX	ion exchange	TOC	total organic carbon
KPA	kinetic phosphorimetric analysis	TPH-DIESEL	total petroleum hydrocarbon-diesel
LEPS	low-energy photon spectroscopy	TPH-KEROSENE	total petroleum hydrocarbon-kerosene
LSC	liquid scintillation counting	TS	total solids

The following trademarks are found on the Appendix B tables.

Trademarks	
Aroclor	Aroclor is an expired trademark.
3M	3M is a trademark of 3M Company, St. Paul, Minnesota.
B&K	B&K is a trademark of Brüel & Kjær, S&V, Nærum, Denmark.
MIRAN	MIRAN is a registered trademark of Thermo Electron Corporation, Franklin, Massachusetts.
TEVA	TEVA is a trademark of Eichrom Technologies, Inc., Darien, Illinois.

REFERENCES

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Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Aluminum (7429-90-5)				Antimony (7440-36-0)				Arsenic (7440-38-2)				Barium (7440-39-3)			
							6010				6010				6010				6010			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	222-S					4290	µg/kg	U		11000	µg/kg			93200	µg/kg		
299-W15-46	47.5	50	B17N46-B		10/20/2003	STLSL																
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S					4630	µg/kg			10300	µg/kg	U		53400	µg/kg		
299-W15-46	63.5	66	B17TM6-B		10/29/2003	STLSL																
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP	6710000	µg/kg	C		270	µg/kg	U		6400	µg/kg			52100	µg/kg	C	
299-W15-46	90	92.5	B17N52		3/23/2004	EBRLNE																
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S					9320	µg/kg	U		9550	µg/kg	U		43400	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004	RLNP	12400000	µg/kg			250	µg/kg	U		3900	µg/kg			36000	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004	EBRLNE																
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF	8100000	µg/kg			1080	µg/kg			3490	µg/kg			80200	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF	13100000	µg/kg			1520	µg/kg	E		2660	µg/kg			96300	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP	9950000	µg/kg			300	µg/kg	U		4700	µg/kg			112000	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF	4970000	µg/kg			540	µg/kg	U		1200	µg/kg	U		60500	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004	RLNP																
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF	5410000	µg/kg			540	µg/kg	U		1810	µg/kg			53200	µg/kg		
299-W15-46	184	186.5	B17N72		8/25/2004	RLNP																
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF	6510000	µg/kg			540	µg/kg	U		1620	µg/kg			106000	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004	RLNP																
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF	7370000	µg/kg			828	µg/kg			1200	µg/kg	U		107000	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004	RLNP																
			B17MM8	EB	9/23/2003	WSCF	50	µg/L	U		11	µg/L	U		24	µg/L	U		0.3	µg/L	U	
			B17MN0	EB	9/23/2003	STLRL																
					TQL (µg/kg)		N/A				N/A				10000				N/A			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Beryllium (7440-41-7)				Bismuth (7440-69-9)				Cadmium (7440-43-9)				Calcium (7440-70-2)			
						6010				6010				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	270	µg/kg	U		10400	µg/kg	U		3500	µg/kg						
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	293	µg/kg			10400	µg/kg	U		1790	µg/kg						
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	390	µg/kg			260	µg/kg	U		40200	µg/kg			7940000	µg/kg	C	
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	1430	µg/kg	U		9440	µg/kg	U		11700	µg/kg						
299-W15-46	115	117.5	B191Y7		4/15/2004	340	µg/kg			240	µg/kg	U		5100	µg/kg			2960000	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	460	µg/kg			5000	µg/kg	U		70	µg/kg	U		32900000	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004	395	µg/kg			5000	µg/kg	UE		75	µg/kg	U		29000000	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004	640	µg/kg			290	µg/kg	U		5300	µg/kg			30600000	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004	280	µg/kg			2200	µg/kg	U		1270	µg/kg			2570000	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	284	µg/kg			2200	µg/kg	U		1430	µg/kg			2310000	µg/kg		
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	296	µg/kg			5000	µg/kg	U		75	µg/kg	U		3280000	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	310	µg/kg			2200	µg/kg	U		75	µg/kg	U		3210000	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003	1	µg/L	U		100	µg/L	U		1.5	µg/L	U		25	µg/L	U	
			B17MN0	EB	9/23/2003																
					TQL (µg/kg)	N/A				N/A				500				N/A			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chromium (7440-47-3) 6010				Chromium (7440-47-3) TCLP/200.8				Chromium (7440-47-3) TCLP/6010				Cobalt (7440-48-4) 6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	16000	µg/kg														
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	22500	µg/kg														
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	12200	µg/kg	C										6100	µg/kg		
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	15500	µg/kg														
299-W15-46	115	117.5	B191Y7		4/15/2004	22400	µg/kg											5800	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	48700	µg/kg											20600	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004	162000	µg/kg	J		8.66	µg/L		J					17100	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004	128000	µg/kg							8.8	µg/L	U		12500	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004	38000	µg/kg											6580	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	54400	µg/kg											6880	µg/kg		
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	35700	µg/kg											9450	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	21100	µg/kg											10500	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003	4	µg/L	U										1.8	µg/L	U	
			B17MN0	EB	9/23/2003																
					TQL (µg/kg)	1000				1000				1000				N/A			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Copper (7440-50-8)				Hexavalent chromium (18540-29-9)				Iron (7439-89-6)				Lead (7439-92-1)			
						6010				7196				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	16600	µg/kg											8210	µg/kg		
299-W15-46	47.5	50	B17N46-B		10/20/2003					400	µg/kg	U									
299-W15-46	63.5	66	B17TM6		10/29/2003	9950	µg/kg											6580	µg/kg		
299-W15-46	63.5	66	B17TM6-B		10/29/2003					750	µg/kg										
299-W15-46	90	92.5	B17N52		3/23/2004	11800	µg/kg			210	µg/kg	U		15300000	µg/kg	C		5200	µg/kg		
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	13200	µg/kg											5760	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004	13300	µg/kg							14900000	µg/kg			620000	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	7000	µg/kg							49400000	µg/kg			11800	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004	15200	µg/kg							37000000	µg/kg			11800	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004	26300	µg/kg			230	µg/kg	U		34100000	µg/kg			3800	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004	18400	µg/kg							12600000	µg/kg			63	µg/kg	U	
299-W15-46	174	176.5	B17N69		8/23/2004					210	µg/kg	U									
299-W15-46	184	186.5	B17N70		8/25/2004	13300	µg/kg							13900000	µg/kg			63	µg/kg	U	
299-W15-46	184	186.5	B17N72		8/25/2004					210	µg/kg	U									
299-W15-46	224	226.5	B17N73		9/9/2004	14900	µg/kg							16500000	µg/kg			63	µg/kg	U	
299-W15-46	224	226.5	B17NL3		9/9/2004					220	µg/kg	U									
299-W15-46	226.5	229	B17NL5		9/9/2004	18000	µg/kg							17000000	µg/kg			63	µg/kg	U	
299-W15-46	226.5	229	B17NL7		9/9/2004					220	µg/kg	U									
			B17MM8	EB	9/23/2003	1.3	µg/L	U						31	µg/L	U		13	µg/L	U	
			B17MN0	EB	9/23/2003					2	µg/L	U									
					TQL (µg/kg)	2500				500				N/A				10000			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lithium (7439-93-2)				Magnesium (7439-95-4)				Manganese (7439-96-5)				Mercury (7439-97-6)			
						6010				6010				6010				200.8			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	8260	µg/kg							157000	µg/kg						
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	10600	µg/kg							190000	µg/kg						
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	10100	µg/kg	C		4790000	µg/kg	C		353000	µg/kg	C					
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	10400	µg/kg							310000	µg/kg						
299-W15-46	115	117.5	B191Y7		4/15/2004	11900	µg/kg			4300000	µg/kg			181000	µg/kg						
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	5060	µg/kg			6590000	µg/kg			408000	µg/kg	E		10	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	6140	µg/kg			6930000	µg/kg			373000	µg/kg			10	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	7300	µg/kg			7130000	µg/kg			410000	µg/kg						
299-W15-46	174	176.5	B17N67		8/23/2004	8280	µg/kg			3120000	µg/kg			207000	µg/kg			1020	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	9110	µg/kg			3370000	µg/kg			2240000	µg/kg			987	µg/kg	U	
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	6800	µg/kg			3680000	µg/kg			318000	µg/kg			399	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	7930	µg/kg			4660000	µg/kg			515000	µg/kg			180	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003	1.9	µg/L	U		37	µg/L	U		1	µg/L	U		0.1	µg/L	U	
			B17MN0	EB	9/23/2003																
					TQL (µg/kg)	N/A				N/A				N/A				200			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Mercury (7439-97-6)				Nickel (7440-02-0)				Phosphorus (7723-14-0)				Potassium (7440-09-7)			
						7471				6010				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	99.2	µg/kg			9110	µg/kg			464000	µg/kg						
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	642	µg/kg			20200	µg/kg			595000	µg/kg						
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	20	µg/kg	U		11600	µg/kg			476000	µg/kg			1510000	µg/kg	C	
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	90	µg/kg			25400	µg/kg			533000	µg/kg						
299-W15-46	115	117.5	B191Y7		4/15/2004	380	µg/kg	J		22300	µg/kg			620000	µg/kg			1730000	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004					8280	µg/kg			1470000	µg/kg			536000	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004					72900	µg/kg			973000	µg/kg			833000	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004	20	µg/kg	U		71100	µg/kg			1010000	µg/kg			1070000	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004					21400	µg/kg			494000	µg/kg			972000	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004					28500	µg/kg			524000	µg/kg			1210000	µg/kg		
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	224	226.5	B17N73		9/9/2004					20200	µg/kg			663000	µg/kg			970000	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004					17400	µg/kg			584000	µg/kg			89800	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003					3	µg/L	U		34	µg/L	U		178	µg/L	U	
			B17MN0	EB	9/23/2003																
					TQL (µg/kg)	200				4000				10000				N/A			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Selenium (7782-49-2)				Silver (7440-22-4)				Sodium (7440-23-5)				Strontium (7440-24-6)			
						6010				6010				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	10500	µg/kg	U		1110	µg/kg	U						11700	µg/kg		
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	10400	µg/kg	U		1150	µg/kg							13700	µg/kg		
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	340	µg/kg	U		60	µg/kg	U		648000	µg/kg	C		25300	µg/kg	C	
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	9180	µg/kg	U		743	µg/kg	U						15200	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004	320	µg/kg	U		60	µg/kg	U		998000	µg/kg			15100	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	1990	µg/kg			974	µg/kg	E		1770000	µg/kg			78200	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004	3760	µg/kg			1710	µg/kg	E		2660000	µg/kg			83200	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		70	µg/kg	U		2550000	µg/kg			87100	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004	1000	µg/kg	U		2880	µg/kg			561000	µg/kg	E		31100	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	1000	µg/kg	U		2560	µg/kg			661000	µg/kg	E		21000	µg/kg		
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	1000	µg/kg	U		958	µg/kg	E		325000	µg/kg	E		23000	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	1000	µg/kg	U		120	µg/kg	U		145000	µg/kg	E		25900	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003	19	µg/L	U		2.3	µg/L	U		291	µg/L	U		2.3	µg/L	U	
			B17MN0	EB	9/23/2003																
					TQL (µg/kg)	10000				2000				N/A				N/A			

Table B-1. Metal Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Uranium (7440-61-1) 200.8				Uranium (7440-61-1) KPA				Vanadium (7440-62-2) 6010				Zinc (7440-66-6) 6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					897	µg/kg							48800	µg/kg		
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003					2040	µg/kg							37800	µg/kg		
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004									30600	µg/kg			35400	µg/kg		
299-W15-46	90	92.5	B17N52		3/23/2004					1620	µg/kg										
299-W15-46	109.5	112	B18XR8		4/8/2004					1220	µg/kg							42300	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004									23300	µg/kg			33500	µg/kg		
299-W15-46	115	117.5	B191Y7		4/15/2004					3140	µg/kg										
299-W15-46	117	119.5	B17N60		4/21/2004	522	µg/kg							137000	µg/kg			65800	µg/kg		
299-W15-46	119.5	122	B17N63		5/3/2004	667	µg/kg							105000	µg/kg			54200	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004									114000	µg/kg			57600	µg/kg		
299-W15-46	174	176.5	B17N67		8/23/2004	995	µg/kg	U						26400	µg/kg			32300	µg/kg		
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	987	µg/kg	U						26400	µg/kg			31900	µg/kg		
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	382	µg/kg							56700	µg/kg			35900	µg/kg		
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	158	µg/kg	U						51700	µg/kg			37000	µg/kg		
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003	0.1	µg/L	U						3.6	µg/L	U		5.2	µg/L	U	
			B17MN0	EB	9/23/2003																
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	2,4,5-T(2,4,5-Trichlorophenoxy acetic acid) (93-76-5)				2,4,5-TP(2-(2,4,5-Trichlorophenoxy) propionic acid)silvex (93-72-1)				2,4-D(2,4-Dichlorophenoxy acetic acid) (94-75-7)				2,4-DB(4-(2,4-Dichlorophenoxy) butanoic acid) (94-82-6)			
							8151				8151				8151				8151			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	RLNP	17	µg/kg	U		17	µg/kg	U		33	µg/kg	U		170	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003	FIELD																
299-W15-46	47.5	50	B17N46		10/20/2003	222-S																
299-W15-46	49.5	50	B17RM5		10/20/2003	FIELD																
299-W15-46	49.5	50	B17RM6	R	10/20/2003	FIELD																
299-W15-46	49.5	50	B17RM7	R	10/21/2003	FIELD																
299-W15-46	49.5	50	B17RM8		10/21/2003	FIELD																
299-W15-46	49.5	50	B18CX0	R	10/20/2003	FIELD																
299-W15-46	49.5	50	B18CX1	R	10/21/2003	FIELD																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003	FIELD																
299-W15-46	58.5	59.5	B17RN1		10/27/2003	FIELD																
299-W15-46	58.5	59.5	B17RN2		10/27/2003	FIELD																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003	FIELD																
299-W15-46	65	66	B17RN3	R	10/31/2003	FIELD																
299-W15-46	65	66	B17RN4	R	10/31/2003	FIELD																
299-W15-46	65	66	B17RN5		10/31/2003	FIELD																
299-W15-46	65	66	B17RN6		10/31/2003	FIELD																
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S																
299-W15-46	65	66	B17X85		11/4/2003	FIELD																
299-W15-46	65	66	B17X86	R	11/4/2003	FIELD																
299-W15-46	65	66	B17X87	R	11/4/2003	FIELD																
299-W15-46	65	66	B17X96		3/15/2004	FIELD																
299-W15-46	65	66	B17X97	R	3/15/2004	FIELD																
299-W15-46	66	67	B17X90		11/10/2003	FIELD																
299-W15-46	66	67	B17X91		11/10/2003	FIELD																
299-W15-46	66	67	B17X92	R	11/10/2003	FIELD																
299-W15-46	66	67	B17X93	R	11/10/2003	FIELD																
299-W15-46	66	67.5	B17X98	R	3/15/2004	FIELD																
299-W15-46	81	82	B17XB1		3/22/2004	FIELD																
299-W15-46	81	82	B17XB2	R	3/22/2004	FIELD																
299-W15-46	81	82	B17XB3	R	3/22/2004	FIELD																
299-W15-46	90	92.5	B17N53		3/23/2004	SHAW																
299-W15-46	90	92.5	B17XB6		3/23/2004	FIELD																
299-W15-46	90	92.5	B17XB7	R	3/23/2004	FIELD																
299-W15-46	90	92.5	B17XB8	R	3/23/2004	FIELD																
299-W15-46	110	112	B17XB9		4/12/2004	FIELD																
299-W15-46	110	112	B17XC0	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC1	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC3		4/12/2004	FIELD																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	2,4,5-T(2,4,5-Trichlorophenoxy acetic acid) (93-76-5)				2,4,5-TP(2-(2,4,5-Trichlorophenoxy) propionic acid)silvex (93-72-1)				2,4-D(2,4-Dichlorophenoxy acetic acid) (94-75-7)				2,4-DB(4-(2,4-Dichlorophenoxy) butanoic acid) (94-82-6)			
							8151				8151				8151				8151			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S																
299-W15-46	115	117.5	B191Y6		4/15/2004	SHAW																
299-W15-46	115	117.5	B191Y4		4/15/2004	RLNP																
299-W15-46	117	119.5	B17T82		4/21/2004	SHAW																
299-W15-46	118	119.5	B17XC4		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC5		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC6		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC7	R	4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC8	R	4/22/2004	FIELD																
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF																
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP																
299-W15-46	119.5	122	B17RM3		5/3/2004	SHAW																
299-W15-46	119.5	122	B17XC9		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD0		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD1		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD2	R	5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD3	R	5/3/2004	FIELD																
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF																
299-W15-46	184	186.5	B17T84		8/25/2004	SHAW																
299-W15-46	224	226.5	B17NL4		9/9/2004	SHAW																
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF																
			B17MM8	EB	9/23/2003	WSCF																
			B17MM9	EB	9/23/2003	RLNP																
					TQL (µg/kg)		Not listed				Not listed				Not listed				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4,4"-DDD (Dichlorodiphenyl dichloroethane) (72-54-8)				4,4"-DDE (Dichlorodiphenyl dichloroethylene) (72-55-9)				4,4"-DDT (Dichlorodiphenyl trichloroethane) (50-29-3)				Aldrin (309-00-2)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	3.4	µg/kg	U		3.4	µg/kg	U		3.4	µg/kg	U		1.7	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4,4"-DDD (Dichlorodiphenyl dichloroethane) (72-54-8)				4,4"-DDE (Dichlorodiphenyl dichloroethylene) (72-55-9)				4,4"-DDT (Dichlorodiphenyl trichloroethane) (50-29-3)				Aldrin (309-00-2)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004							J									
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004																
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003	0.1	µg/L	U		0.1	µg/L	U		0.1	µg/L	U		0.05	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Alpha-BHC (319-84-6)				Alpha-chlordane (5103-71-9)				Aroclor-1016 (12674-11-2)				Aroclor-1221 (11104-28-2)			
						8081				8081				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	1.7	µg/kg	U		1.7	µg/kg	U									
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003									40	µg/kg	U		13	µg/kg	U	
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003			J													
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003									160	µg/kg	U		50	µg/kg	U	
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Alpha-BHC (319-84-6)				Alpha-chlordane (5103-71-9)				Aroclor-1016 (12674-11-2)				Aroclor-1221 (11104-28-2)			
						8081				8081				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004									39	µg/kg	U		12	µg/kg	U	
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004									27	µg/kg	U	UJ	27	µg/kg	U	UJ
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004									50	µg/kg	U	J	100	µg/kg	U	J
299-W15-46	119.5	122	B17N65		5/3/2004									15	µg/kg	U		15	µg/kg	U	
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004									49	µg/kg	U		98	µg/kg	U	
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004									56	µg/kg	U		110	µg/kg	U	
			B17MM8	EB	9/23/2003									0.099	µg/L	U		0.2	µg/L	U	
			B17MM9	EB	9/23/2003	0.05	µg/L	U		0.05	µg/L	U									
					TQL (µg/kg)	Not listed				Not listed				16.5				16.5			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Aroclor-1232 (11141-16-5)				Aroclor-1242 (53469-21-9)				Aroclor-1248 (12672-29-6)				Aroclor-1254 (11097-69-1)			
						8082				8082				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003																
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003	220	µg/kg	U		41	µg/kg	U		150	µg/kg			7.6	µg/kg	U	
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	890	µg/kg	U		160	µg/kg	U		1600	µg/kg			30	µg/kg	U	
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Aroclor-1232 (11141-16-5)				Aroclor-1242 (53469-21-9)				Aroclor-1248 (12672-29-6)				Aroclor-1254 (11097-69-1)			
						8082				8082				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004	220	µg/kg	U		40	µg/kg	U		13	µg/kg	U		7.4	µg/kg	U	
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004	27	µg/kg	U	UJ	27	µg/kg	J	UJ	27	µg/kg	U	UJ	27	µg/kg	U	UJ
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	50	µg/kg	U	J	50	µg/kg	U	J	50	µg/kg	U	J	50	µg/kg	U	J
299-W15-46	119.5	122	B17N65		5/3/2004	15	µg/kg	U		15	µg/kg	U		15	µg/kg	U		15	µg/kg	U	
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	49	µg/kg	U		49	µg/kg	U		49	µg/kg	U		49	µg/kg	U	
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	56	µg/kg	U		56	µg/kg	U		56	µg/kg	U		56	µg/kg	U	
			B17MM8	EB	9/23/2003	0.099	µg/L	U		0.099	µg/L	U		0.099	µg/L	U		0.099	µg/L	U	
			B17MM9	EB	9/23/2003																
					TQL (µg/kg)	16.5				16.5				16.5				16.5			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Aroclor-1260 (11096-82-5)				Aroclor-1262 (37324-23-5)				Aroclor-1268 (11100-14-4)				beta-1,2,3,4,5,6-Hexachlorocyclo hexane (beta-BHC) (319-85-7)			
						8082				8082				8082				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003													1.7	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003	55	µg/kg	U													
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	220	µg/kg	U													
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Aroclor-1260 (11096-82-5)				Aroclor-1262 (37324-23-5)				Aroclor-1268 (11100-14-4)				beta-1,2,3,4,5,6-Hexachlorocyclo hexane (beta-BHC) (319-85-7)			
						8082				8082				8082				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004	54	µg/kg	U													
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004	27	µg/kg	U	UJ												
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	50	µg/kg	U	J	50	µg/kg	U	J	50	µg/kg	U	J				
299-W15-46	119.5	122	B17N65		5/3/2004	15	µg/kg	U													
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	49	µg/kg	U		49	µg/kg	U		49	µg/kg	U					
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	56	µg/kg	U		56	µg/kg	U		56	µg/kg	U					
			B17MM8	EB	9/23/2003	0.099	µg/L	U		0.099	µg/L	U		0.099	µg/L	U					
			B17MM9	EB	9/23/2003													0.05	µg/L	U	
					TQL (µg/kg)	16.5				16.5				16.5				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Calcium carbonate (471-34-1)				Carbon dioxide (124-38-9)				Dalapon (75-99-0)				Delta-BHC (319-86-8)			
						D4373				IR, field				8151				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003									170	µg/kg	U		1.7	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003					0	%(vol)										
299-W15-46	65	66	B17X96		3/15/2004					0.1	%(vol)										
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004					0.2	%(vol)										
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004					0.8	%(vol)										
299-W15-46	90	92.5	B17N53		3/23/2004	1	%														
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004					1.3	%(vol)										
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Calcium carbonate (471-34-1)				Carbon dioxide (124-38-9)				Dalapon (75-99-0)				Delta-BHC (319-86-8)			
						D4373				IR, field				8151				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004	0	%	U													
299-W15-46	115	117.5	B191Y4		4/15/2004																
299-W15-46	117	119.5	B17T82		4/21/2004	6	%														
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004	5	%														
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	184	186.5	B17T84		8/25/2004	0	%	U													
299-W15-46	224	226.5	B17NL4		9/9/2004	0	%	U													
299-W15-46	226.5	229	B17NL5		9/9/2004																
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003													0.05	µg/L	U	
					TQL (µg/kg)	Not listed				N/A				Not listed				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Dicamba (1918-00-9)				Dichloroprop (120-36-5)				Dieldrin (60-57-1)				Dinoseb(2-sec butyl-4,6-dinitrophenol) (88-85-7)			
						8151				8151				8081				8151			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	67	µg/kg	U		170	µg/kg	U		3.4	µg/kg	U		17	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Dicamba (1918-00-9)				Dichloroprop (120-36-5)				Dieldrin (60-57-1)				Dinoseb(2-sec butyl-4,6-dinitrophenol) (88-85-7)			
						8151				8151				8081				8151			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004																
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004																
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003									0.1	µg/L	U					
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Endosulfan I (959-98-8)				Endosulfan II (33213-65-9)				Endosulfan sulfate (1031-07-8)				Endrin (72-20-8)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	1.7	µg/kg	U		3.4	µg/kg	U		3.4	µg/kg	U		3.4	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Endosulfan I (959-98-8)				Endosulfan II (33213-65-9)				Endosulfan sulfate (1031-07-8)				Endrin (72-20-8)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004																
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004																
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003	0.05	µg/L	U		0.1	µg/L	U		0.1	µg/L	U		0.1	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Endrin aldehyde (7421-93-4)				Endrin ketone (53494-70-5)				Gamma-BHC (lindane) (58-89-9)				Gamma-chlordane (5103-74-2)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	3.4	µg/kg	U		3.4	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	65	66	B17X96		3/15/2004																
299-W15-46	65	66	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Endrin aldehyde (7421-93-4)				Endrin ketone (53494-70-5)				Gamma-BHC (lindane) (58-89-9)				Gamma-chlordane (5103-74-2)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004																
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004																
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003	0.1	µg/L	U		0.1	µg/L	U		0.05	µg/L	U		0.05	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Heptachlor (76-44-8)				Heptachlor epoxide (1024-57-3)				Methane (74-82-8)				Methoxychlor (72-43-5)			
						8081				8081				IR, field				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	1.7	µg/kg	U		1.7	µg/kg	U						17	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003									0	%(vol)	U					
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003									0	%(vol)	U					
299-W15-46	49.5	50	B17RM6	R	10/20/2003									0	%(vol)	U					
299-W15-46	49.5	50	B17RM7	R	10/21/2003									0	%(vol)	U					
299-W15-46	49.5	50	B17RM8		10/21/2003									0	%(vol)	U					
299-W15-46	49.5	50	B18CX0	R	10/20/2003									0	%(vol)	U					
299-W15-46	49.5	50	B18CX1	R	10/21/2003									0	%(vol)	U					
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003									0	%(vol)	U					
299-W15-46	58.5	59.5	B17RN1		10/27/2003									0	%(vol)	U					
299-W15-46	58.5	59.5	B17RN2		10/27/2003									0	%(vol)	U					
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003									0	%(vol)	U					
299-W15-46	65	66	B17RN3	R	10/31/2003									0.1	%(vol)						
299-W15-46	65	66	B17RN4	R	10/31/2003									0	%(vol)	U					
299-W15-46	65	66	B17RN5		10/31/2003									0	%(vol)	U					
299-W15-46	65	66	B17RN6		10/31/2003									0	%(vol)	U					
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003									0	%(vol)	U					
299-W15-46	65	66	B17X86	R	11/4/2003									0	%(vol)	U					
299-W15-46	65	66	B17X87	R	11/4/2003									0	%(vol)						
299-W15-46	65	66	B17X96		3/15/2004									0	%(vol)	U					
299-W15-46	65	66	B17X97	R	3/15/2004									0	%(vol)	U					
299-W15-46	66	67	B17X90		11/10/2003									0	%(vol)	U					
299-W15-46	66	67	B17X91		11/10/2003									0	%(vol)	U					
299-W15-46	66	67	B17X92	R	11/10/2003									0	%(vol)	U					
299-W15-46	66	67	B17X93	R	11/10/2003									0	%(vol)	U					
299-W15-46	66	67.5	B17X98	R	3/15/2004									0	%(vol)						
299-W15-46	81	82	B17XB1		3/22/2004									0	%(vol)	U					
299-W15-46	81	82	B17XB2	R	3/22/2004									0	%(vol)	U					
299-W15-46	81	82	B17XB3	R	3/22/2004									0	%(vol)						
299-W15-46	90	92.5	B17N53		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004									0	%(vol)	U					
299-W15-46	90	92.5	B17XB7	R	3/23/2004									0	%(vol)	U					
299-W15-46	90	92.5	B17XB8	R	3/23/2004									0	%(vol)						
299-W15-46	110	112	B17XB9		4/12/2004									0	%(vol)	U					
299-W15-46	110	112	B17XC0	R	4/12/2004									0	%(vol)	U					
299-W15-46	110	112	B17XC1	R	4/12/2004									0	%(vol)	U					
299-W15-46	110	112	B17XC3		4/12/2004									0	%(vol)	U					

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Heptachlor (76-44-8)				Heptachlor epoxide (1024-57-3)				Methane (74-82-8)				Methoxychlor (72-43-5)			
						8081				8081				IR, field				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	115	117.5	B191Y4		4/15/2004																
299-W15-46	117	119.5	B17T82		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC5		4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC6		4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC7	R	4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC8	R	4/22/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD0		5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD1		5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD2	R	5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD3	R	5/3/2004									0	%(vol)	U					
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	184	186.5	B17T84		8/25/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004																
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003	0.05	µg/L	U		0.05	µg/L	U						0.5	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				N/A				Not listed			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Oil and grease (OIL/GREASE) 413.1				Oil and grease (OIL/GREASE) 9070				Oil and grease (OIL/GREASE) 9071				Oxygen (7782-44-7) IR, field			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003	RLNP																
299-W15-46	28.5	29.5	B17RM4		10/13/2003	FIELD													18.8	%(vol)		
299-W15-46	47.5	50	B17N46-B		10/20/2003	STLSL					107000	µg/kg	B									
299-W15-46	49.5	50	B17RM5		10/20/2003	FIELD													18.8	%(vol)		
299-W15-46	49.5	50	B17RM6	R	10/20/2003	FIELD													18.8	%(vol)		
299-W15-46	49.5	50	B17RM7	R	10/21/2003	FIELD													19	%(vol)		
299-W15-46	49.5	50	B17RM8		10/21/2003	FIELD													19	%(vol)		
299-W15-46	49.5	50	B18CX0	R	10/20/2003	FIELD													18.8	%(vol)		
299-W15-46	49.5	50	B18CX1	R	10/21/2003	FIELD													19	%(vol)		
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003	FIELD													18	%(vol)		
299-W15-46	58.5	59.5	B17RN1		10/27/2003	FIELD													18.5	%(vol)		
299-W15-46	58.5	59.5	B17RN2		10/27/2003	FIELD													18.6	%(vol)		
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003	FIELD													18.1	%(vol)		
299-W15-46	65	66	B17RN3	R	10/31/2003	FIELD													18.8	%(vol)		
299-W15-46	65	66	B17RN4	R	10/31/2003	FIELD													18.8	%(vol)		
299-W15-46	65	66	B17RN5		10/31/2003	FIELD													18.7	%(vol)		
299-W15-46	65	66	B17RN6		10/31/2003	FIELD													18.6	%(vol)		
299-W15-46	63.5	66	B17TM6-B		10/29/2003	STLSL					2400000	µg/kg										
299-W15-46	65	66	B17X85		11/4/2003	FIELD													18.9	%(vol)		
299-W15-46	65	66	B17X86	R	11/4/2003	FIELD													18.9	%(vol)		
299-W15-46	65	66	B17X87	R	11/4/2003	FIELD													18.8	%(vol)		
299-W15-46	66	67	B17X90		11/10/2003	FIELD													14.2	%(vol)		
299-W15-46	66	67	B17X91		11/10/2003	FIELD													14.6	%(vol)		
299-W15-46	66	67	B17X92	R	11/10/2003	FIELD													14.4	%(vol)		
299-W15-46	66	67	B17X93	R	11/10/2003	FIELD													14.4	%(vol)		
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP									1620000	µg/kg						
299-W15-46	115	117.5	B191Y7		4/15/2004	RLNP									133000	µg/kg	U	UJ				
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF																
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF																
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP									152000	µg/kg	U					
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF																
299-W15-46	174	176.5	B17N69		8/23/2004	RLNP	689000	µg/kg	U													
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF																
299-W15-46	184	186.5	B17N72		8/25/2004	RLNP	685000	µg/kg	U													
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF																
299-W15-46	224	226.5	B17NL3		9/9/2004	RLNP	716000	µg/kg	U													
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF																
299-W15-46	226.5	229	B17NL7		9/9/2004	RLNP	720000	µg/kg	U													
			B17MM8	EB	9/23/2003	WSCF																
			B17MM9	EB	9/23/2003	RLNP	960	µg/L	U													
					TQL (µg/kg)		5000				5000				5000				N/A			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Total inorganic carbon (TINC)				Total inorganic carbon (TINC)				Total organic carbon (TOC)				Total organic carbon (TOC)			
						415.1				9060				415.1				9060			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003																
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46-B		10/20/2003					23800	µg/kg	B						341000	µg/kg		
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6-B		10/29/2003					260000	µg/kg							2430000	µg/kg		
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	90	92.5	B17N52		3/23/2004					1980000	µg/kg			143000	µg/kg						
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004	5440000	µg/kg							2600000	µg/kg						
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	174	176.5	B17N69		8/23/2004	60300	µg/kg	U										76500	µg/kg		
299-W15-46	184	186.5	B17N70		8/25/2004																
299-W15-46	184	186.5	B17N72		8/25/2004	175000	µg/kg											39500	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004																
299-W15-46	224	226.5	B17NL3		9/9/2004	4700	µg/kg	U						97900	µg/kg	U					
299-W15-46	226.5	229	B17NL5		9/9/2004																
299-W15-46	226.5	229	B17NL7		9/9/2004	22900	µg/kg	U						280000	µg/kg						
			B17MM8	EB	9/23/2003																
			B17MM9	EB	9/23/2003	500	µg/L	U						500	µg/L	U					
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-2. General Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (23 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Total petroleum hydrocarbons - diesel range (TPHDIESEL)				Total petroleum hydrocarbons - kerosene range (TPHKEROSENE)				Toxaphene (8001-35-2)			
						WDOE TPH				WDOE TPH				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	0	0.5	B17RC0		10/7/2003									170	µg/kg	U	
299-W15-46	28.5	29.5	B17RM4		10/13/2003												
299-W15-46	47.5	50	B17N46-B		10/20/2003												
299-W15-46	49.5	50	B17RM5		10/20/2003												
299-W15-46	49.5	50	B17RM6	R	10/20/2003												
299-W15-46	49.5	50	B17RM7	R	10/21/2003												
299-W15-46	49.5	50	B17RM8		10/21/2003												
299-W15-46	49.5	50	B18CX0	R	10/20/2003												
299-W15-46	49.5	50	B18CX1	R	10/21/2003												
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003												
299-W15-46	58.5	59.5	B17RN1		10/27/2003			J									
299-W15-46	58.5	59.5	B17RN2		10/27/2003												
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003												
299-W15-46	65	66	B17RN3	R	10/31/2003												
299-W15-46	65	66	B17RN4	R	10/31/2003												
299-W15-46	65	66	B17RN5		10/31/2003												
299-W15-46	65	66	B17RN6		10/31/2003												
299-W15-46	63.5	66	B17TM6-B		10/29/2003												
299-W15-46	65	66	B17X85		11/4/2003												
299-W15-46	65	66	B17X86	R	11/4/2003												
299-W15-46	65	66	B17X87	R	11/4/2003												
299-W15-46	66	67	B17X90		11/10/2003												
299-W15-46	66	67	B17X91		11/10/2003												
299-W15-46	66	67	B17X92	R	11/10/2003												
299-W15-46	66	67	B17X93	R	11/10/2003												
299-W15-46	90	92.5	B17N52		3/23/2004	20.9	µg/kg	U		20.9	µg/kg	U					
299-W15-46	115	117.5	B191Y7		4/15/2004	12000	µg/kg	U	UR	12000	µg/kg	U	UR				
299-W15-46	117	119.5	B17N60		4/21/2004	3900	µg/kg	U		3900	µg/kg	U					
299-W15-46	119.5	122	B17N63		5/3/2004	3900	µg/kg	U		3900	µg/kg	U					
299-W15-46	119.5	122	B17N65		5/3/2004	13600	µg/kg	U		13600	µg/kg	U					
299-W15-46	174	176.5	B17N67		8/23/2004	3900	µg/kg	U		3900	µg/kg	U					
299-W15-46	174	176.5	B17N69		8/23/2004												
299-W15-46	184	186.5	B17N70		8/25/2004	3900	µg/kg	U		3900	µg/kg	U					
299-W15-46	184	186.5	B17N72		8/25/2004												
299-W15-46	224	226.5	B17N73		9/9/2004	4000	µg/kg	U		4000	µg/kg	U					
299-W15-46	224	226.5	B17NL3		9/9/2004												
299-W15-46	226.5	229	B17NL5		9/9/2004	4200	µg/kg	U		4200	µg/kg	U					
299-W15-46	226.5	229	B17NL7		9/9/2004												
			B17MM8	EB	9/23/2003	80	µg/L	U		80	µg/L	U					
			B17MM9	EB	9/23/2003									5	µg/L	U	
					TQL (µg/kg)	5000				5000				Not listed			

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Actinium-228 (14331-83-0) GEA					Americium-241 (14596-10-2) Eichrom/Plate/AEA					Americium-241 (14596-10-2) GEA				
							Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	222-S						114000	pCi/g								
299-W15-46	47.5	50	B17N46-A		10/20/2003	EBRLNE											324000	pCi/g			370
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S											53200	pCi/g			
299-W15-46	63.5	66	B17TM6-A		10/29/2003	EBRLNE											3480	pCi/g			130
299-W15-46	90	92.5	B17N52		3/23/2004	EBRLNE											4740	pCi/g			4.4
299-W15-46	109.5	112	B17N57		4/8/2004	EBRLNE											300000	pCi/g	U		300000
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S						309000	pCi/g								
299-W15-46	112	112	B190T8-A		4/15/2004	222-S															
299-W15-46	115	117.5	B191Y7		4/15/2004	EBRLNE											80000	pCi/g	U		80000
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF															
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF															
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF															
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF															
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF															
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF															
			B17MM8	EB	9/23/2003	WSCF	23.4	pCi/L	U		38						7.67	pCi/L	U		60
			B17MM9	EB	9/23/2003	EBRLNE															
					TQL (pCi/g)		N/A					1					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Americium-241 (14596-10-2) IX/Plate/AEA					Americium-241 (14596-10-2) IX/Prec/AEA					Antimony-125 (14234-35-6) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003											591	pCi/g	U		
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003											792	pCi/g	U		
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004	4380	pCi/g			12						0.96	pCi/g	U		0.96
299-W15-46	109.5	112	B17N57		4/8/2004											1.3	pCi/g	U		1.3
299-W15-46	109.5	112	B18XR8		4/8/2004											34.7	pCi/g	U		
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	105000	pCi/g			90						0.78	pCi/g	U		0.78
299-W15-46	117	119.5	B17N60		4/21/2004						980	pCi/g			1.2	-0.045	pCi/g	U		0.22
299-W15-46	119.5	122	B17N63		5/3/2004						190	pCi/g			1.2	-0.057	pCi/g	U		0.19
299-W15-46	174	176.5	B17N67		8/23/2004						0.038	pCi/g			0.016	-0.005	pCi/g	U		0.032
299-W15-46	184	186.5	B17N70		8/25/2004						0.18	pCi/g			0.017	-0.009	pCi/g	U		0.034
299-W15-46	224	226.5	B17N73		9/9/2004						0.017	pCi/g	U		0.033	0.019	pCi/g	U		0.035
299-W15-46	226.5	229	B17NL5		9/9/2004						0.009	pCi/g	U		0.028	0	pCi/g	U		0.041
			B17MM8	EB	9/23/2003						0.044	pCi/L	U		0.13	-2.77	pCi/L	U		27
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	1					1					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bismuth-212 (14913-49-6)					Bismuth-214 (14733-03-0)					Carbon-14 (14762-75-5)				
						GEA					GEA					ChemOx/LSC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004															
299-W15-46	109.5	112	B17N57		4/8/2004															
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004															
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004					J										
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
			B17MM8	EB	9/23/2003	42.7	pCi/L	U		88	52.7	pCi/L			22					
			B17MM9	EB	9/23/2003											2.5	pCi/L	U		40
					TQL (pCi/g)	N/A					N/A					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon-14 (14762-75-5) CombOx/LSC					Cerium-144 (14762-78-8) GEA					Cesium-134 (13967-70-9) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003											223	pCi/g	U		
299-W15-46	47.5	50	B17N46-A		10/20/2003	5.38	pCi/g	U		24										
299-W15-46	63.5	66	B17TM6		10/29/2003											298	pCi/g	U		
299-W15-46	63.5	66	B17TM6-A		10/29/2003	-13.7	pCi/g	U		39										
299-W15-46	90	92.5	B17N52		3/23/2004											0.61	pCi/g	U		0.61
299-W15-46	109.5	112	B17N57		4/8/2004	65.9	pCi/g	U		96						0.62	pCi/g	U		0.62
299-W15-46	109.5	112	B18XR8		4/8/2004											12.5	pCi/g	U		
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	49.2	pCi/g	U		100						0.55	pCi/g	U		0.55
299-W15-46	117	119.5	B17N60		4/21/2004											0.017	pCi/g	U		0.11
299-W15-46	119.5	122	B17N63		5/3/2004											0.025	pCi/g	U		0.098
299-W15-46	174	176.5	B17N67		8/23/2004											0.029	pCi/g	U		0.03
299-W15-46	184	186.5	B17N70		8/25/2004											0.043	pCi/g	U		0.05
299-W15-46	224	226.5	B17N73		9/9/2004											0.038	pCi/g	U		0.017
299-W15-46	226.5	229	B17NL5		9/9/2004											0.036	pCi/g	U		0.04
			B17MM8	EB	9/23/2003						7.3	pCi/L	U		63	-4.12	pCi/L	U		12
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	1					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Cesium-137 (10045-97-3)					Cobalt-60 (10198-40-0)					Europium-152 (14683-23-9)				
						GEA					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	394	pCi/g	U			260	pCi/g	U			327	pCi/g	U		
299-W15-46	47.5	50	B17N46-A		10/20/2003	18	pCi/g	U		18	21	pCi/g	U		21	38	pCi/g	U		38
299-W15-46	63.5	66	B17TM6		10/29/2003	766	pCi/g	U			383	pCi/g	U			701	pCi/g	U		
299-W15-46	63.5	66	B17TM6-A		10/29/2003	11	pCi/g	U		11	15	pCi/g	U		15	31	pCi/g	U		31
299-W15-46	90	92.5	B17N52		3/23/2004	0.47	pCi/g	U		0.47	0.53	pCi/g	U		0.53	1	pCi/g	U		1
299-W15-46	109.5	112	B17N57		4/8/2004	1.04	pCi/g			0.66	0.61	pCi/g	U		0.61	1.4	pCi/g	U		1.4
299-W15-46	109.5	112	B18XR8		4/8/2004	26.1	pCi/g	U			15.3	pCi/g	U			20.7	pCi/g			
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	0.69	pCi/g	U		0.69	0.58	pCi/g	U		0.58	0.87	pCi/g	U		0.87
299-W15-46	117	119.5	B17N60		4/21/2004	-0.045	pCi/g	U		0.095	-0.025	pCi/g	U		0.11	0.051	pCi/g	U		0.24
299-W15-46	119.5	122	B17N63		5/3/2004	0.268	pCi/g			0.081	0	pCi/g	U		0.091	-0.182	pCi/g	U		0.22
299-W15-46	174	176.5	B17N67		8/23/2004	0	pCi/g	U		0.012	0.001	pCi/g	U		0.012	-0.006	pCi/g	U		0.035
299-W15-46	184	186.5	B17N70		8/25/2004	0.047	pCi/g			0.013	-0.004	pCi/g	U		0.011	0.008	pCi/g	U		0.039
299-W15-46	224	226.5	B17N73		9/9/2004	0	pCi/g	U		0.013	-0.008	pCi/g	U		0.014	-0.018	pCi/g	U		0.036
299-W15-46	226.5	229	B17NL5		9/9/2004	-0.005	pCi/g	U		0.015	0.002	pCi/g	U		0.015	0.014	pCi/g	U		0.044
			B17MM8	EB	9/23/2003	0.193	pCi/L	U		11	-2.45	pCi/L	U		11	-0.073	pCi/L	U		30
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	0.1					0.05					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Europium-154 (15585-10-1)					Europium-155 (14391-16-3)					Gross alpha (12587-46-1)				
						GEA					GEA					900				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	784	pCi/g	U			280	pCi/g	U							
299-W15-46	47.5	50	B17N46-A		10/20/2003	50	pCi/g	U		50	70	pCi/g	U		70					
299-W15-46	63.5	66	B17TM6		10/29/2003	1020	pCi/g	U			788	pCi/g	U							
299-W15-46	63.5	66	B17TM6-A		10/29/2003	40	pCi/g	U		40	31	pCi/g	U		31					
299-W15-46	90	92.5	B17N52		3/23/2004	1	pCi/g	U		1	1.1	pCi/g	U		1.1	4600	pCi/g			24
299-W15-46	109.5	112	B17N57		4/8/2004	1.6	pCi/g	U		1.6	13	pCi/g	U		13					
299-W15-46	109.5	112	B18XR8		4/8/2004	44	pCi/g				20.6	pCi/g								
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	1.3	pCi/g	U		1.3	4.1	pCi/g	U		4.1	77000	pCi/g			170
299-W15-46	117	119.5	B17N60		4/21/2004	0.016	pCi/g	U		0.33	-0.048	pCi/g	U		0.28					
299-W15-46	119.5	122	B17N63		5/3/2004	0.121	pCi/g	U		0.27	0.1	pCi/g	U		0.25					
299-W15-46	174	176.5	B17N67		8/23/2004	-0.019	pCi/g	U		0.036	0.057	pCi/g			0.046					
299-W15-46	184	186.5	B17N70		8/25/2004	0.008	pCi/g	U		0.038	-0.006	pCi/g	U		0.067					
299-W15-46	224	226.5	B17N73		9/9/2004	-0.027	pCi/g	U		0.043	0.067	pCi/g			0.051					
299-W15-46	226.5	229	B17NL5		9/9/2004	0.018	pCi/g	U		0.052	0.05	pCi/g	U		0.066					
			B17MM8	EB	9/23/2003	1.98	pCi/L	U		29	-8.24	pCi/L	U		32					
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Gross alpha (12587-46-1) GPC					Gross beta (12587-47-2) 900					Gross beta (12587-47-2) GPC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	148000	pCi/g									27200	pCi/g			
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003	145000	pCi/g									10800	pCi/g			
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004						1960	pCi/g			69					
299-W15-46	109.5	112	B17N57		4/8/2004															
299-W15-46	109.5	112	B18XR8		4/8/2004	296000	pCi/g									54800	pCi/g			
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004						1810	pCi/g			520					
299-W15-46	117	119.5	B17N60		4/21/2004	1400	pCi/g			8.1						240	pCi/g			9.1
299-W15-46	119.5	122	B17N63		5/3/2004	220	pCi/g			7.7						25	pCi/g		J	8.7
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	pCi/g			0.72						2.1	pCi/g			0.55
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	pCi/g			0.52						1	pCi/g			0.33
299-W15-46	224	226.5	B17N73		9/9/2004	2.6	pCi/g			0.57						0.63	pCi/g			0.62
299-W15-46	226.5	229	B17NL5		9/9/2004	1.8	pCi/g			0.55						0.8	pCi/g			0.6
			B17MM8	EB	9/23/2003	0.81	pCi/L			0.69						2.9	pCi/L			1.1
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Iodine-129 (15046-84-1)					Lead-212 (15092-94-1)					Lead-214 (15067-28-4)				
						Sep/LEPS					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003	-0.393	pCi/g	U		21										
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003	-7.26	pCi/g	U		43										
299-W15-46	90	92.5	B17N52		3/23/2004															
299-W15-46	109.5	112	B17N57		4/8/2004	-27.5	pCi/g	U		71										
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	-9.74	pCi/g	U		44										
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
			B17MM8	EB	9/23/2003						-6.39	pCi/L	U		19	20.5	pCi/L	U		28
			B17MM9	EB	9/23/2003	-0.408	pCi/L	U		3.7										
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Neptunium-237 (13994-20-2) IX/Prec/AEA					Neptunium-237 (13994-20-2) LX/Plate/AEA					Nickel-63 (13981-37-8) LSC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003						504	pCi/g	U							
299-W15-46	47.5	50	B17N46-A		10/20/2003											308	pCi/g	U		930
299-W15-46	63.5	66	B17TM6		10/29/2003						337	pCi/g	U							
299-W15-46	63.5	66	B17TM6-A		10/29/2003											378	pCi/g	U		930
299-W15-46	90	92.5	B17N52		3/23/2004															
299-W15-46	109.5	112	B17N57		4/8/2004						0	pCi/g	U		170	1540	pCi/g	U		2300
299-W15-46	109.5	112	B18XR8		4/8/2004						28.9	pCi/g								
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004						24	pCi/g	U		72	2360	pCi/g			1100
299-W15-46	117	119.5	B17N60		4/21/2004	0.24	pCi/g	X		0.075										
299-W15-46	119.5	122	B17N63		5/3/2004	2.9	pCi/g	X	J	0.073										
299-W15-46	174	176.5	B17N67		8/23/2004	0.005	pCi/g	X		0.002										
299-W15-46	184	186.5	B17N70		8/25/2004	-0.003	pCi/g	U		0.012										
299-W15-46	224	226.5	B17N73		9/9/2004	0.001	pCi/g	U		0.007										
299-W15-46	226.5	229	B17NL5		9/9/2004	0.002	pCi/g	U		0.01										
			B17MM8	EB	9/23/2003	0.004	pCi/L	U		0.01										
			B17MM9	EB	9/23/2003											0.331	pCi/L	U		3
					TQL (pCi/g)	1					1					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Niobium-94 (14681-63-1) GEA					Plutonium-238 (13981-16-3) IX/Prec/AEA					Plutonium-238 (13981-16-3) Sep/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003											10600	pCi/g	U		
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003											19200	pCi/g	U		
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004											1.9	pCi/g	U		2.6
299-W15-46	109.5	112	B17N57		4/8/2004															
299-W15-46	109.5	112	B18XR8		4/8/2004											657	pCi/g			
299-W15-46	112	112	B190T8-A		4/15/2004											1480	pCi/g	U		
299-W15-46	115	117.5	B191Y7		4/15/2004											72.9	pCi/g	U		140
299-W15-46	117	119.5	B17N60		4/21/2004						5.8	pCi/g			0.23					
299-W15-46	119.5	122	B17N63		5/3/2004						1.6	pCi/g		J	0.25					
299-W15-46	174	176.5	B17N67		8/23/2004						-0.004	pCi/g	U		0.062					
299-W15-46	184	186.5	B17N70		8/25/2004						0.006	pCi/g	U		0.065					
299-W15-46	224	226.5	B17N73		9/9/2004						0.025	pCi/g	U		0.054					
299-W15-46	226.5	229	B17NL5		9/9/2004						0.002	pCi/g	U		0.047					
			B17MM8	EB	9/23/2003	1.51	pCi/L	U		10	-0.052	pCi/L	U		0.23					
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	N/A					1					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Plutonium-239/240 (PU-239/240) IX/Prec/AEA					Plutonium-239/240 (PU-239/240) Sep/Plate/AEA					Potassium-40 (13966-00-2) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003						44600	pCi/g								
299-W15-46	47.5	50	B17N46-A		10/20/2003											300	pCi/g	U		300
299-W15-46	63.5	66	B17TM6		10/29/2003						115000	pCi/g								
299-W15-46	63.5	66	B17TM6-A		10/29/2003											230	pCi/g	U		230
299-W15-46	90	92.5	B17N52		3/23/2004						29.9	pCi/g			1.8	18.8	pCi/g			5.6
299-W15-46	109.5	112	B17N57		4/8/2004											15.8	pCi/g			5.3
299-W15-46	109.5	112	B18XR8		4/8/2004						2260	pCi/g								
299-W15-46	112	112	B190T8-A		4/15/2004						4990	pCi/g								
299-W15-46	115	117.5	B191Y7		4/15/2004						4480	pCi/g			140	21.6	pCi/g			5.4
299-W15-46	117	119.5	B17N60		4/21/2004	130	pCi/g			0.088										
299-W15-46	119.5	122	B17N63		5/3/2004	4.4	pCi/g		J	0.086										
299-W15-46	174	176.5	B17N67		8/23/2004	0.004	pCi/g	U		0.019										
299-W15-46	184	186.5	B17N70		8/25/2004	0.03	pCi/g			0.02										
299-W15-46	224	226.5	B17N73		9/9/2004	0.002	pCi/g	U		0.02										
299-W15-46	226.5	229	B17NL5		9/9/2004	0.006	pCi/g	U		0.017										
			B17MM8	EB	9/23/2003	0.017	pCi/L	U		0.092										
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	1					1					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Protactinium-231 (14331-85-2)					Radium-226 (13982-63-3)					Radium-228 (15262-20-1)				
						IX/Plate/AEA					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003	0	pCi/g	U		13	43	pCi/g	U		43	66	pCi/g	U		66
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003	12.9	pCi/g			12	35	pCi/g	U		35	58	pCi/g	U		58
299-W15-46	90	92.5	B17N52		3/23/2004						0.82	pCi/g	U		0.82	2.4	pCi/g	U		2.4
299-W15-46	109.5	112	B17N57		4/8/2004	0.953	pCi/g	U		13	0.778	pCi/g	U		0.92	2.79	pCi/g			2.5
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	112	112	B190T8-A		4/15/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	7.4	pCi/g	U		10	0.736	pCi/g			0.7	3	pCi/g	U		3
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
			B17MM8	EB	9/23/2003						52.7	pCi/L			30	23.4	pCi/L	U		38
			B17MM9	EB	9/23/2003	0.103	pCi/L			0.088										
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Ruthenium-103 (13968-53-1) GEA					Ruthenium-106 (13967-48-1) GEA					Selenium-79 (15758-45-9) IX/LSC					Selenium-79 (15758-45-9) Sep/LSC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003																				
299-W15-46	47.5	50	B17N46-A		10/20/2003											-21.3	pCi/g	U		24					
299-W15-46	63.5	66	B17TM6		10/29/2003																				
299-W15-46	63.5	66	B17TM6-A		10/29/2003											-69.1	pCi/g	U		79					
299-W15-46	90	92.5	B17N52		3/23/2004																				
299-W15-46	109.5	112	B17N57		4/8/2004											-34.2	pCi/g	U		110					
299-W15-46	109.5	112	B18XR8		4/8/2004																				
299-W15-46	112	112	B190T8-A		4/15/2004																				
299-W15-46	115	117.5	B191Y7		4/15/2004											-42.2	pCi/g	U		60					
299-W15-46	117	119.5	B17N60		4/21/2004																				
299-W15-46	119.5	122	B17N63		5/3/2004																				
299-W15-46	174	176.5	B17N67		8/23/2004																				
299-W15-46	184	186.5	B17N70		8/25/2004																				
299-W15-46	224	226.5	B17N73		9/9/2004																				
299-W15-46	226.5	229	B17NL5		9/9/2004																				
			B17MM8	EB	9/23/2003	-4.49	pCi/L	U		13	-14.5	pCi/L	U		100										
			B17MM9	EB	9/23/2003																-3.99	pCi/L	U		23
					TQL (pCi/g)	N/A					N/A					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Strontium-90 (10098-97-2) Sep/GPC					Technetium-99 (14133-76-7) 3M/LSC					Technetium-99 (14133-76-7) Sep/GPC				
							Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	222-S	7.86	pCi/g	U												
299-W15-46	47.5	50	B17N46-A		10/20/2003	EBRLNE											18	pCi/g			14
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S	13.4	pCi/g													
299-W15-46	63.5	66	B17TM6-A		10/29/2003	EBRLNE											15.8	pCi/g	U		16
299-W15-46	90	92.5	B17N52		3/23/2004	EBRLNE															
299-W15-46	109.5	112	B17N57		4/8/2004	EBRLNE											1.32	pCi/g	U		26
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S	0.741	pCi/g													
299-W15-46	115	117.5	B191Y7		4/15/2004	EBRLNE											-2.26	pCi/g	U		23
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF															
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF															
299-W15-46	119.5	122	B17N65		5/3/2004	EBRLNE															
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF															
299-W15-46	174	176.5	B17N69		8/23/2004	EBRLNE															
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF															
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF															
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF															
299-W15-46	226.5	229	B17NL7		9/9/2004	EBRLNE															
			B17MM8	EB	9/23/2003	WSCF						-3.9	pCi/L	U		2.5					
			B17MM9	EB	9/23/2003	EBRLNE															
					TQL (pCi/g)		1					15					15				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Thallium-208 (14913-50-9) GEA					Thorium-228 (14274-82-9) GEA					Thorium-228 (14274-82-9) IX/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003						32	pCi/g	U		32					
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003						32	pCi/g	U		32					
299-W15-46	90	92.5	B17N52		3/23/2004						1.6	pCi/g	U		1.6					
299-W15-46	109.5	112	B17N57		4/8/2004						1.13	pCi/g			0.85	2.05	pCi/g	U		27
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004						1.71	pCi/g			0.49	1.06	pCi/g	U		13
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	119.5	122	B17N65		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	174	176.5	B17N69		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
299-W15-46	226.5	229	B17NL7		9/9/2004															
			B17MM8	EB	9/23/2003	12	pCi/L			10										
			B17MM9	EB	9/23/2003											0	pCi/L	U		0.1
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Thorium-230 (14269-63-7)					Thorium-232 (TH-232)					Thorium-232 (TH-232)				
						IX/Plate/AEA					GEA					ICP/MS				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003											0.322	pCi/g			
299-W15-46	47.5	50	B17N46-A		10/20/2003						66	pCi/g	U		66					
299-W15-46	63.5	66	B17TM6		10/29/2003											0.329	pCi/g			
299-W15-46	63.5	66	B17TM6-A		10/29/2003						58	pCi/g	U		58					
299-W15-46	90	92.5	B17N52		3/23/2004						2.4	pCi/g	U		2.4					
299-W15-46	109.5	112	B17N57		4/8/2004	43	pCi/g	U		93	2.79	pCi/g			2.5					
299-W15-46	109.5	112	B18XR8		4/8/2004											0.698	pCi/g			
299-W15-46	115	117.5	B191Y7		4/15/2004	72	pCi/g			48	3	pCi/g	U		3					
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	119.5	122	B17N65		5/3/2004					J										
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	174	176.5	B17N69		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
299-W15-46	226.5	229	B17NL7		9/9/2004															
			B17MM8	EB	9/23/2003															
			B17MM9	EB	9/23/2003	0.066	pCi/L	U		0.16										
					TQL (pCi/g)	N/A					1					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Thorium-232 (TH-232)					Thorium-234 (15065-10-8)					Tin-113 (13966-06-8)				
						IX/Plate/AEA					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004															
299-W15-46	109.5	112	B17N57		4/8/2004	-10.2	pCi/g	U		27										
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	-5.29	pCi/g	U		15										
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	119.5	122	B17N65		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	174	176.5	B17N69		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
299-W15-46	226.5	229	B17NL7		9/9/2004															
			B17MM8	EB	9/23/2003						-566	pCi/L	U		580	0.831	pCi/L	U		14
			B17MM9	EB	9/23/2003	-0.013	pCi/L	U		0.1										
					TQL (pCi/g)	1					N/A					N/A				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Tin-126 (15832-50-5)					Total beta radiostrontium (SR-RAD)					Tritium (10028-17-8)				
						GEA					Sep/GPC					906				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004															
299-W15-46	109.5	112	B17N57		4/8/2004						65.5	pCi/g	U		440					
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004						-16.5	pCi/g	U		210					
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	119.5	122	B17N65		5/3/2004											0.119	pCi/g	U		0.31
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	174	176.5	B17N69		8/23/2004											-0.129	pCi/g	U		0.26
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
299-W15-46	226.5	229	B17NL7		9/9/2004											0	pCi/g	U		0.54
			B17MM8	EB	9/23/2003	-30.7	pCi/L	U		24										
			B17MM9	EB	9/23/2003						-0.2	pCi/L	U		0.72					
					TQL (pCi/g)	N/A					1					400				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Tritium (10028-17-8) CombOx/LSC					Uranium-233/234 (U-233/234) IX/Prec/AEA					Uranium-233/234 (U-233/234) Sep/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003	-1.1	pCi/g	U		26										
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003	2.55	pCi/g	U		41										
299-W15-46	90	92.5	B17N52		3/23/2004											0	pCi/g	U		9.5
299-W15-46	109.5	112	B17N57		4/8/2004															
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004	28.2	pCi/g	U		130						28.9	pCi/g	U		110
299-W15-46	117	119.5	B17N60		4/21/2004						0.52	pCi/g			0.026					
299-W15-46	119.5	122	B17N63		5/3/2004						0.69	pCi/g		J	0.078					
299-W15-46	119.5	122	B17N65		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004						0.1	pCi/g			0.026					
299-W15-46	174	176.5	B17N69		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004						0.08	pCi/g			0.026					
299-W15-46	224	226.5	B17N73		9/9/2004						0.15	pCi/g			0.019					
299-W15-46	226.5	229	B17NL5		9/9/2004						0.1	pCi/g			0.017					
299-W15-46	226.5	229	B17NL7		9/9/2004															
			B17MM8	EB	9/23/2003						0.004	pCi/L	U		0.04					
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	400					1					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Uranium-234 (13966-29-5) ICP/MS					Uranium-235 (15117-96-1) GEA					Uranium-235 (15117-96-1) ICP/MS				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	11.8	pCi/g									0.0225	pCi/g			
299-W15-46	47.5	50	B17N46-A		10/20/2003															
299-W15-46	63.5	66	B17TM6		10/29/2003	2.08	pCi/g									0.0475	pCi/g			
299-W15-46	63.5	66	B17TM6-A		10/29/2003															
299-W15-46	90	92.5	B17N52		3/23/2004						1.3	pCi/g	U		1.3					
299-W15-46	109.5	112	B17N57		4/8/2004						3	pCi/g	U		3					
299-W15-46	109.5	112	B18XR8		4/8/2004	0.422	pCi/g									0.0147	pCi/g			
299-W15-46	115	117.5	B191Y7		4/15/2004						1.2	pCi/g	U		1.2					
299-W15-46	117	119.5	B17N60		4/21/2004															
299-W15-46	119.5	122	B17N63		5/3/2004															
299-W15-46	119.5	122	B17N65		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004															
299-W15-46	174	176.5	B17N69		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004															
299-W15-46	224	226.5	B17N73		9/9/2004															
299-W15-46	226.5	229	B17NL5		9/9/2004															
299-W15-46	226.5	229	B17NL7		9/9/2004															
			B17MM8	EB	9/23/2003						-10.9	pCi/L	U		69					
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	1					1					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Uranium-235 (15117-96-1) IX/Prec/AEA					Uranium-235 (15117-96-1) Sep/Plate/AEA					Uranium-238 (U-238) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003															
299-W15-46	47.5	50	B17N46-A		10/20/2003											2100	pCi/g	U		2100
299-W15-46	63.5	66	B17TM6		10/29/2003															
299-W15-46	63.5	66	B17TM6-A		10/29/2003											1300	pCi/g	U		1300
299-W15-46	90	92.5	B17N52		3/23/2004						1.5	pCi/g	U		11	55	pCi/g	U		55
299-W15-46	109.5	112	B17N57		4/8/2004											65	pCi/g	U		65
299-W15-46	109.5	112	B18XR8		4/8/2004															
299-W15-46	115	117.5	B191Y7		4/15/2004						0	pCi/g	U		130	45	pCi/g	U		45
299-W15-46	117	119.5	B17N60		4/21/2004	0.074	pCi/g			0.029										
299-W15-46	119.5	122	B17N63		5/3/2004	0.13	pCi/g		J	0.085										
299-W15-46	119.5	122	B17N65		5/3/2004															
299-W15-46	174	176.5	B17N67		8/23/2004	0.026	pCi/g			0.005										
299-W15-46	174	176.5	B17N69		8/23/2004															
299-W15-46	184	186.5	B17N70		8/25/2004	0.019	pCi/g			0.016										
299-W15-46	224	226.5	B17N73		9/9/2004	0.013	pCi/g	U		0.014										
299-W15-46	226.5	229	B17NL5		9/9/2004	0.006	pCi/g	U		0.015										
299-W15-46	226.5	229	B17NL7		9/9/2004															
			B17MM8	EB	9/23/2003	0.005	pCi/L	U		0.044										
			B17MM9	EB	9/23/2003															
					TQL (pCi/g)	1					1					1				

Table B-3. Radiochemical Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (22 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Uranium-238 (U-238) ICP/MS					Uranium-238 (U-238) IX/Prec/AEA					Uranium-238 (U-238) Sep/Plate/AEA					Zinc-65 (13982-39-3) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-46	47.5	50	B17N46		10/20/2003	0.249	pCi/g																		
299-W15-46	47.5	50	B17N46-A		10/20/2003																				
299-W15-46	63.5	66	B17TM6		10/29/2003	0.622	pCi/g																		
299-W15-46	63.5	66	B17TM6-A		10/29/2003																				
299-W15-46	90	92.5	B17N52		3/23/2004											1.24	pCi/g	U		9.5					
299-W15-46	109.5	112	B17N57		4/8/2004																				
299-W15-46	109.5	112	B18XR8		4/8/2004	0.31	pCi/g																		
299-W15-46	115	117.5	B191Y7		4/15/2004											14.5	pCi/g	U		110					
299-W15-46	117	119.5	B17N60		4/21/2004						0.49	pCi/g			0.072										
299-W15-46	119.5	122	B17N63		5/3/2004						0.67	pCi/g		J	0.078										
299-W15-46	119.5	122	B17N65		5/3/2004																				
299-W15-46	174	176.5	B17N67		8/23/2004						0.14	pCi/g			0.013										
299-W15-46	174	176.5	B17N69		8/23/2004																				
299-W15-46	184	186.5	B17N70		8/25/2004						0.094	pCi/g			0.021										
299-W15-46	224	226.5	B17N73		9/9/2004						0.16	pCi/g			0.016										
299-W15-46	226.5	229	B17NL5		9/9/2004						0.12	pCi/g			0.005										
299-W15-46	226.5	229	B17NL7		9/9/2004																				
			B17MM8	EB	9/23/2003						0.004	pCi/L	U		0.04						-8.26	pCi/L	U		24
			B17MM9	EB	9/23/2003																				
					TQL (pCi/g)	1					1					1					N/A				

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,2,4-Trichlorobenzene (120-82-1)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichlorobenzene (95-50-1)			
							8270				8270				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	222-S	960	µg/kg	U									
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S	160000	µg/kg	U									
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP	350	µg/kg	U	UJ					350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S	960	µg/kg	U									
299-W15-46	109.5	112	B18XW3		4/8/2004	222-S												
299-W15-46	115	117.5	B191Y7		4/15/2004	RLNP	330	µg/kg	U	R					330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF	310	µg/kg	U		130	µg/kg	U		380	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	222-S												
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF	310	µg/kg	U		130	µg/kg	U		380	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP	380	µg/kg	U						380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF	300	µg/kg	U		120	µg/kg	U		370	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF	300	µg/kg	U		120	µg/kg	U		370	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF	310	µg/kg	U		130	µg/kg	U		380	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF	330	µg/kg	U		140	µg/kg	U		410	µg/kg	U	
			B17MM8	EB	9/23/2003	WSCF	3.1	µg/L	U		1.9	µg/L	U		4.3	µg/L	U	
					TQL (µg/kg)		N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,3-Dichlorobenzene (541-73-1)				1,4-Dichlorobenzene (106-46-7)				2,4,5-Trichlorophenol (95-95-4)				2,4,6-Trichlorophenol (88-06-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					960	µg/kg	U	J								
299-W15-46	63.5	66	B17TM6		10/29/2003					160000	µg/kg	U									
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ	350	µg/kg	U	UJ	870	µg/kg	U		350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004					960	µg/kg	U									
299-W15-46	109.5	112	B18XW3		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	840	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	340	µg/kg	U		330	µg/kg	U		77	µg/kg	U		70	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	340	µg/kg	U		330	µg/kg	U		77	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		940	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	330	µg/kg	U		320	µg/kg	U		75	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	330	µg/kg	U		320	µg/kg	U		75	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	340	µg/kg	U		330	µg/kg	U		78	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	360	µg/kg	U		350	µg/kg	U		83	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	5.4	µg/L	U		5.2	µg/L	U		2	µg/L	U		2.5	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2,4-Dichlorophenol (120-83-2)				2,4-Dimethylphenol (105-67-9)				2,4-Dinitrophenol (51-28-5)				2,4-Dinitrotoluene (121-14-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003													960	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003													160000	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ	350	µg/kg	U	UJ	870	µg/kg	U		350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004													960	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	840	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	84	µg/kg	U		70	µg/kg	U		700	µg/kg	U		70	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	84	µg/kg	U		70	µg/kg	U		700	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		940	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	82	µg/kg	U		68	µg/kg	J		680	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	82	µg/kg	U		68	µg/kg	U		680	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	85	µg/kg	U		71	µg/kg	U		710	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	90	µg/kg	U		75	µg/kg	U		750	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	1.4	µg/L	U		4.4	µg/L	U		3.4	µg/L	U		1.9	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2,6-Dinitrotoluene (606-20-2)				2,6-di-tert-Butyl-p-benzoquinone (719-22-2)				2-Chloronaphthalene (91-58-7)				2-Chlorophenol (95-57-8)			
						8270				1625				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003													960	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003													160000	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U						350	µg/kg	U		350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004													960	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004					4.5	µg/kg										
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R					330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	70	µg/kg	U						70	µg/kg	U		150	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004					6.2	µg/kg										
299-W15-46	119.5	122	B17N63		5/3/2004	70	µg/kg	U						70	µg/kg	U		150	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U						380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	68	µg/kg	U						68	µg/kg	U		150	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	68	µg/kg	U						68	µg/kg	U		150	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	71	µg/kg	U						71	µg/kg	U		160	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	75	µg/kg	U						75	µg/kg	U		170	µg/kg	U	
			B17MM8	EB	9/23/2003	2.3	µg/L	U						2.4	µg/L	U		1.8	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Methylnaphthalene (91-57-6)				2-Methylphenol (cresol, o-) (95-48-7)				2-Nitroaniline (88-74-4)				2-Nitrophenol (88-75-5)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					960	µg/kg	U									
299-W15-46	63.5	66	B17TM6		10/29/2003					160000	µg/kg	U									
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U	UJ	870	µg/kg	U	UJ	350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004					960	µg/kg	U									
299-W15-46	109.5	112	B18XW3		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	840	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	190	µg/kg	U		70	µg/kg	U		70	µg/kg	U		180	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	190	µg/kg	U		70	µg/kg	U		70	µg/kg	U		180	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		940	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	180	µg/kg	U		68	µg/kg	U		68	µg/kg	U		180	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	180	µg/kg	U		68	µg/kg	U		68	µg/kg	U		180	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	190	µg/kg	U		71	µg/kg	U		71	µg/kg	U		180	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	200	µg/kg	U		75	µg/kg	U		75	µg/kg	U		200	µg/kg	U	
			B17MM8	EB	9/23/2003	2	µg/L	U		2.4	µg/L	U		2.2	µg/L	U		2.1	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	3,3"-Dichlorobenzidine (91-94-1)				3+4 Methylphenol (cresol, m+p) (65794-96-9)				3-Nitroaniline (99-09-2)				4,6-Dinitro-2-methylphenol (534-52-1)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					960	µg/kg	U									
299-W15-46	63.5	66	B17TM6		10/29/2003					160000	µg/kg	U									
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ					870	µg/kg	U	UJ	870	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004					960	µg/kg	U									
299-W15-46	109.5	112	B18XW3		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R					840	µg/kg	U	R	840	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	84	µg/kg	U		120	µg/kg	U		70	µg/kg	U		700	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	84	µg/kg	U		120	µg/kg	U		70	µg/kg	U		700	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U						940	µg/kg	U		940	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	82	µg/kg	U		120	µg/kg	U		68	µg/kg	U		680	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	82	µg/kg	U		120	µg/kg	U		68	µg/kg	U		680	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	85	µg/kg	U		120	µg/kg	U		71	µg/kg	U		710	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	90	µg/kg	U		130	µg/kg	U		75	µg/kg	U		750	µg/kg	U	
			B17MM8	EB	9/23/2003	4.2	µg/L	U		3.3	µg/L	U		4.6	µg/L	U		1.8	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4-Bromophenylphenyl ether (101-55-3)				4-Chloro-3-methylphenol (59-50-7)				4-Chloroaniline (106-47-8)				4-Chlorophenylphenyl ether (7005-72-3)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					960	µg/kg	U									
299-W15-46	63.5	66	B17TM6		10/29/2003					160000	µg/kg	U									
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ	350	µg/kg	U	UJ	350	µg/kg	U	UJ	350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004					960	µg/kg	U									
299-W15-46	109.5	112	B18XW3		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	70	µg/kg	U		70	µg/kg	U		98	µg/kg	U		70	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	70	µg/kg	U		70	µg/kg	U		98	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	68	µg/kg	U		68	µg/kg	U		96	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	68	µg/kg	U		68	µg/kg	U		96	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	71	µg/kg	U		71	µg/kg	U		99	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	75	µg/kg	U		75	µg/kg	U		110	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	2	µg/L	U		1.3	µg/L	U		7.4	µg/L	U		2.3	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4-Methylphenol (cresol, p-) (106-44-5)				4-Nitroaniline (100-01-6)				4-Nitrophenol (100-02-7)				Acenaphthene (83-32-9)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003									960	µg/kg	U		960	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003									160000	µg/kg	U		160000	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ	870	µg/kg	U	UJ	870	µg/kg	U		350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004	960	µg/kg	U						960	µg/kg	U		960	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	840	µg/kg	U	R	840	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004					260	µg/kg	U		680	µg/kg	U		70	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	119.5	122	B17N63		5/3/2004					260	µg/kg	U		680	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		940	µg/kg	U		940	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004					250	µg/kg	U		660	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004					250	µg/kg	U		660	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004					260	µg/kg	U		690	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004					280	µg/kg	U		730	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003					3	µg/L	U		1.4	µg/L	U		2.5	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Acenaphthylene (208-96-8)				Anthracene (120-12-7)				Benzo(a)anthracene (56-55-3)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003												
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004												
299-W15-46	109.5	112	B18XW3		4/8/2004												
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	84	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004												
299-W15-46	119.5	122	B17N63		5/3/2004	84	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	82	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	82	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	85	µg/kg	U		71	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	90	µg/kg	U		75	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	2.4	µg/L	U		2.1	µg/L	U		2.2	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzo(a)pyrene (50-32-8)				Benzo(b)fluoranthene (205-99-2)				Benzo(ghi)perylene (191-24-2)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003												
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004												
299-W15-46	109.5	112	B18XW3		4/8/2004												
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	70	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004												
299-W15-46	119.5	122	B17N63		5/3/2004	70	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	68	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	68	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	71	µg/kg	U		71	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	75	µg/kg	U		75	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	2.2	µg/L	U		1.8	µg/L	U		2.6	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzo(k)fluoranthene (207-08-9)				Bis(2-chloro-1-methylethyl)ether (108-60-1)				Bis(2-Chloroethoxy)methane (111-91-1)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003												
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004												
299-W15-46	109.5	112	B18XW3		4/8/2004												
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	70	µg/kg	U		270	µg/kg	U		120	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004												
299-W15-46	119.5	122	B17N63		5/3/2004	70	µg/kg	U		270	µg/kg	U		120	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	68	µg/kg	U		260	µg/kg	U		120	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	68	µg/kg	U		260	µg/kg	U		120	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	71	µg/kg	U		270	µg/kg	U		120	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	75	µg/kg	U		290	µg/kg	U		130	µg/kg	U	
			B17MM8	EB	9/23/2003	2.9	µg/L	U		2.2	µg/L	U		2.1	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Bis(2-chloroethyl) ether (111-44-4)				Bis(2-ethylhexyl) phthalate (117-81-7)				Butylbenzylphthalate (85-68-7)			
							8270				8270				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	222-S												
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S												
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP	350	µg/kg	U	UJ	350	µg/kg	U	UJ	350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S												
299-W15-46	115	117.5	B191Y7		4/15/2004	RLNP	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF	260	µg/kg	U		590	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF	260	µg/kg	U		590	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF	250	µg/kg	U		580	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF	250	µg/kg	U		570	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF	260	µg/kg	U		590	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF	280	µg/kg	U		630	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	WSCF	3.5	µg/L	U		2.7	µg/L	U		2.1	µg/L	U	
					TQL (µg/kg)		N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbazole (86-74-8)				Chrysene (218-01-9)				Cyclohexanone (108-94-1)				Dibenz[a,h]anthracene (53-70-3)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U						350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R					330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	84	µg/kg	U		70	µg/kg	U		350	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	84	µg/kg	U		70	µg/kg	U		350	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U						380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	82	µg/kg	U		68	µg/kg	U		340	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	82	µg/kg	U		68	µg/kg	U		340	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	85	µg/kg	U		71	µg/kg	U		350	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	90	µg/kg	U		75	µg/kg	U		380	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	1.5	µg/L	U		2.4	µg/L	U		5.2	µg/L	U		2.7	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Dibenzofuran (132-64-9)				Diethylphthalate (84-66-2)				Dimethyl phthalate (131-11-3)				Di-n-butylphthalate (84-74-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U	UJ	350	µg/kg	U	UJ	350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	70	µg/kg	U		200	µg/kg	U		70	µg/kg	U		91	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	70	µg/kg	U		200	µg/kg	U		70	µg/kg	U		91	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	68	µg/kg	U		190	µg/kg	U		68	µg/kg	U		94	µg/kg	J	
299-W15-46	184	186.5	B17N70		8/25/2004	68	µg/kg	U		190	µg/kg	U		68	µg/kg	U		89	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	71	µg/kg	U		230	µg/kg	J		71	µg/kg	U		220	µg/kg	J	
299-W15-46	226.5	229	B17NL5		9/9/2004	75	µg/kg	U		220	µg/kg	J		75	µg/kg	U		120	µg/kg	J	
			B17MM8	EB	9/23/2003	2	µg/L	U		6.5	µg/L	U		2.2	µg/L	U		2.2	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Di-n-octylphthalate (117-84-0)				Fluoranthene (206-44-0)				Fluorene (86-73-7)				Hexachlorobenzene (118-74-1)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	70	µg/kg	U		70	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	70	µg/kg	U		70	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	68	µg/kg	U		68	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	68	µg/kg	U		68	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	71	µg/kg	U		71	µg/kg	U		71	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	75	µg/kg	U		75	µg/kg	U		75	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	2.6	µg/L	U		2.2	µg/L	U		2.1	µg/L	U		2.2	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Hexachlorobutadiene (87-68-3)				Hexachlorocyclo-pentadiene (77-47-4)				Indeno(1,2,3-cd)pyrene (193-39-5)				Isophorone (78-59-1)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U	UJ	350	µg/kg	U	UJ	350	µg/kg	U		350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	380	µg/kg	U		330	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	380	µg/kg	U		330	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	380	µg/kg	U		320	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	380	µg/kg	U		320	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	390	µg/kg	U		330	µg/kg	U		71	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	410	µg/kg	U		350	µg/kg	U		75	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	3.7	µg/L	U		8	µg/L	U		2.7	µg/L	U		2	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Naphthalene (91-20-3)				Nitrobenzene (98-95-3)				n-Nitrosodi-n-dipropylamine (621-64-7)				n-Nitrosodiphenyl amine (86-30-6)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003									960	µg/kg	U					
299-W15-46	63.5	66	B17TM6		10/29/2003									160000	µg/kg	U					
299-W15-46	90	92.5	B17N52		3/23/2004	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	UJ	350	µg/kg	U	
299-W15-46	109.5	112	B18XR8		4/8/2004									960	µg/kg	U					
299-W15-46	115	117.5	B191Y7		4/15/2004	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	300	µg/kg	U		270	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	300	µg/kg	U		270	µg/kg	U		70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	380	µg/kg	U		380	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	290	µg/kg	U		270	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	290	µg/kg	U		270	µg/kg	U		68	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	300	µg/kg	U		280	µg/kg	U		71	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	320	µg/kg	U		290	µg/kg	U		75	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003	2.5	µg/L	U		2.1	µg/L	U		1.8	µg/L	U		2.4	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Pentachlorophenol (87-86-5)				Phenanthrene (85-01-8)				Phenol (108-95-2)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	960	µg/kg	U						960	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003	160000	µg/kg	U						160000	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	870	µg/kg	U		350	µg/kg	U		350	µg/kg	U	UJ
299-W15-46	109.5	112	B18XR8		4/8/2004	960	µg/kg	U						960	µg/kg	U	
299-W15-46	115	117.5	B191Y7		4/15/2004	840	µg/kg	U	R	330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004	310	µg/kg	U		70	µg/kg	U		100	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004	310	µg/kg	U		70	µg/kg	U		100	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	940	µg/kg	U		380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004	310	µg/kg	UJ		68	µg/kg	U		100	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004	310	µg/kg	U		68	µg/kg	U		100	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004	320	µg/kg	U		71	µg/kg	U		110	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	340	µg/kg	U		75	µg/kg	U		110	µg/kg	U	
			B17MM8	EB	9/23/2003	1.8	µg/L	U		2.3	µg/L	U		1.8	µg/L	U	
					TQL (µg/kg)	N/A				N/A				330			

Table B-4. Semivolatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Phenyl sulfone (127-63-9)				Pyrene (129-00-0)				Tributyl phosphate (126-73-8)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					960	µg/kg	U		35000	µg/kg		
299-W15-46	63.5	66	B17TM6		10/29/2003					160000	µg/kg	U		2100000	µg/kg		
299-W15-46	90	92.5	B17N52		3/23/2004					350	µg/kg	U		40633.34	µg/kg	D	
299-W15-46	109.5	112	B18XR8		4/8/2004					960	µg/kg	U		960	µg/kg	U	
299-W15-46	115	117.5	B191Y7		4/15/2004					330	µg/kg	U	R	330	µg/kg	U	R
299-W15-46	117	119.5	B17N60		4/21/2004					70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N63		5/3/2004					70	µg/kg	U		70	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004					380	µg/kg	U		380	µg/kg	U	
299-W15-46	174	176.5	B17N67		8/23/2004					68	µg/kg	U		68	µg/kg	U	
299-W15-46	184	186.5	B17N70		8/25/2004					68	µg/kg	U		68	µg/kg	U	
299-W15-46	224	226.5	B17N73		9/9/2004					71	µg/kg	U		71	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	240	µg/kg	J		75	µg/kg	U		75	µg/kg	U	
			B17MM8	EB	9/23/2003					2.2	µg/L	U		2.6	µg/L	U	
					TQL (µg/kg)	N/A				N/A				3300			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003	FIELD																
299-W15-46	47.5	50	B17N46		10/20/2003	222-S	0.76	µg/kg	U										0.87	µg/kg	U	
299-W15-46	49.5	50	B17RM5		10/20/2003	FIELD																
299-W15-46	49.5	50	B17RM6	R	10/20/2003	FIELD																
299-W15-46	49.5	50	B17RM7	R	10/21/2003	FIELD																
299-W15-46	49.5	50	B17RM8		10/21/2003	FIELD																
299-W15-46	49.5	50	B18CX0	R	10/20/2003	FIELD																
299-W15-46	49.5	50	B18CX1	R	10/21/2003	FIELD																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003	FIELD																
299-W15-46	58.5	59.5	B17RN1		10/27/2003	FIELD																
299-W15-46	58.5	59.5	B17RN2		10/27/2003	FIELD																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003	FIELD																
299-W15-46	65	66	B17RN3	R	10/31/2003	FIELD																
299-W15-46	65	66	B17RN4	R	10/31/2003	FIELD																
299-W15-46	65	66	B17RN5		10/31/2003	FIELD																
299-W15-46	65	66	B17RN6		10/31/2003	FIELD																
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S	140	µg/kg	U										160	µg/kg	U	

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003	FIELD																
299-W15-46	65	66	B17X86	R	11/4/2003	FIELD																
299-W15-46	65	66	B17X87	R	11/4/2003	FIELD																
299-W15-46	66	67.5	B17X96		3/15/2004	FIELD																
299-W15-46	66	67.5	B17X97	R	3/15/2004	FIELD																
299-W15-46	66	67	B17X90		11/10/2003	FIELD																
299-W15-46	66	67	B17X91		11/10/2003	FIELD																
299-W15-46	66	67	B17X92	R	11/10/2003	FIELD																
299-W15-46	66	67	B17X93	R	11/10/2003	FIELD																
299-W15-46	66	67.5	B17X98	R	3/15/2004	FIELD																
299-W15-46	81	82	B17XB1		3/22/2004	FIELD																
299-W15-46	81	82	B17XB2	R	3/22/2004	FIELD																
299-W15-46	81	82	B17XB3	R	3/22/2004	FIELD																
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP	5	µg/kg	U		5	µg/kg	U		5	µg/kg	U		5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	222-S	0.77	µg/kg	U										0.88	µg/kg	U	
299-W15-46	90	92.5	B17XB6		3/23/2004	FIELD																
299-W15-46	90	92.5	B17XB7	R	3/23/2004	FIELD																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004	FIELD																
299-W15-46	110	112	B17XB9		4/12/2004	FIELD																
299-W15-46	110	112	B17XC0	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC1	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC3		4/12/2004	FIELD																
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S	130	µg/kg	U										300	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004	222-S	0.63	µg/kg	U										0.72	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004	222-S	0.69	µg/kg	U										0.79	µg/kg	U	
299-W15-46	115	117.5	B191Y4-A		4/15/2004	222-S	69	µg/kg	U										79	µg/kg	U	
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	222-S	0.84	µg/kg	U										0.96	µg/kg	U	
299-W15-46	117	119.5	B17N64-A		4/21/2004	222-S	0.59	µg/kg	U										0.67	µg/kg	U	
299-W15-46	117	119.5	B17N68		4/21/2004	222-S	77	µg/kg	U										89	µg/kg	U	
299-W15-46	118	119.5	B17XC4		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC5		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC6		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC7	R	4/22/2004	FIELD																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004	FIELD																
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD0		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD1		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD2	R	5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD3	R	5/3/2004	FIELD																
299-W15-46	119.5	122	B18XT1		5/3/2004	WSCF	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U		11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004	FIELD																
299-W15-46	141	143	B17XD5		8/16/2004	FIELD																
299-W15-46	141	143	B17XD6		8/16/2004	FIELD																
299-W15-46	141	143	B17XD7	R	8/16/2004	FIELD																
299-W15-46	141	143	B17XD8	R	8/16/2004	FIELD																
299-W15-46	159	160	B17XD9		8/19/2004	FIELD																
299-W15-46	159	160	B17XF0	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF1	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF2	R	8/19/2004	FIELD																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004	FIELD																
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7J8		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7J9		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004	FIELD																
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J3		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J4		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J5	R	9/9/2004	FIELD																
299-W15-46	223	224	B1B7J6	R	9/9/2004	FIELD																
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF	1.9	µg/kg	U		1.9	µg/kg	U		1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)		5				N/A				N/A				10			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2-Dichloroethane (107-06-2)				1,2-Dichloroethene (total) (540-59-0)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003												
299-W15-46	47.5	50	B17N46		10/20/2003	0.83	µg/kg	U		0.83	µg/kg	U		1.5	µg/kg	U	
299-W15-46	49.5	50	B17RM5		10/20/2003												
299-W15-46	49.5	50	B17RM6	R	10/20/2003												
299-W15-46	49.5	50	B17RM7	R	10/21/2003												
299-W15-46	49.5	50	B17RM8		10/21/2003												
299-W15-46	49.5	50	B18CX0	R	10/20/2003												
299-W15-46	49.5	50	B18CX1	R	10/21/2003												
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003												
299-W15-46	58.5	59.5	B17RN1		10/27/2003												
299-W15-46	58.5	59.5	B17RN2		10/27/2003												
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003												
299-W15-46	65	66	B17RN3	R	10/31/2003												
299-W15-46	65	66	B17RN4	R	10/31/2003												
299-W15-46	65	66	B17RN5		10/31/2003												
299-W15-46	65	66	B17RN6		10/31/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003	150	µg/kg	U		150	µg/kg	U		270	µg/kg	U	

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2-Dichloroethane (107-06-2)				1,2-Dichloroethene (total) (540-59-0)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003												
299-W15-46	65	66	B17X86	R	11/4/2003												
299-W15-46	65	66	B17X87	R	11/4/2003												
299-W15-46	66	67.5	B17X96		3/15/2004												
299-W15-46	66	67.5	B17X97	R	3/15/2004												
299-W15-46	66	67	B17X90		11/10/2003												
299-W15-46	66	67	B17X91		11/10/2003												
299-W15-46	66	67	B17X92	R	11/10/2003												
299-W15-46	66	67	B17X93	R	11/10/2003												
299-W15-46	66	67.5	B17X98	R	3/15/2004												
299-W15-46	81	82	B17XB1		3/22/2004												
299-W15-46	81	82	B17XB2	R	3/22/2004												
299-W15-46	81	82	B17XB3	R	3/22/2004												
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U		5	µg/kg	U		5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	0.84	µg/kg	U		0.84	µg/kg	U		1.5	µg/kg	U	
299-W15-46	90	92.5	B17XB6		3/23/2004												
299-W15-46	90	92.5	B17XB7	R	3/23/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2-Dichloroethane (107-06-2)				1,2-Dichloroethene (total) (540-59-0)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004												
299-W15-46	110	112	B17XB9		4/12/2004												
299-W15-46	110	112	B17XC0	R	4/12/2004												
299-W15-46	110	112	B17XC1	R	4/12/2004												
299-W15-46	110	112	B17XC3		4/12/2004												
299-W15-46	109.5	112	B18XR8		4/8/2004	140	µg/kg	U		140	µg/kg	U		260	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004	0.68	µg/kg	U		0.68	µg/kg	U		1.2	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004	1.1	µg/kg			0.75	µg/kg	U		1.4	µg/kg	U	
299-W15-46	115	117.5	B191Y4-A		4/15/2004	75	µg/kg	U		75	µg/kg	U		140	µg/kg	U	
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	0.91	µg/kg	U		0.91	µg/kg	U		1.6	µg/kg	U	
299-W15-46	117	119.5	B17N64-A		4/21/2004	0.64	µg/kg	U		0.64	µg/kg	U		1.2	µg/kg	U	
299-W15-46	117	119.5	B17N68		4/21/2004	84	µg/kg	U		84	µg/kg	U		150	µg/kg	U	
299-W15-46	118	119.5	B17XC4		4/22/2004												
299-W15-46	118	119.5	B17XC5		4/22/2004												
299-W15-46	118	119.5	B17XC6		4/22/2004												
299-W15-46	118	119.5	B17XC7	R	4/22/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2-Dichloroethane (107-06-2)				1,2-Dichloroethene (total) (540-59-0)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004												
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004												
299-W15-46	119.5	122	B17XD0		5/3/2004												
299-W15-46	119.5	122	B17XD1		5/3/2004												
299-W15-46	119.5	122	B17XD2	R	5/3/2004												
299-W15-46	119.5	122	B17XD3	R	5/3/2004												
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004												
299-W15-46	141	143	B17XD5		8/16/2004												
299-W15-46	141	143	B17XD6		8/16/2004												
299-W15-46	141	143	B17XD7	R	8/16/2004												
299-W15-46	141	143	B17XD8	R	8/16/2004												
299-W15-46	159	160	B17XD9		8/19/2004												
299-W15-46	159	160	B17XF0	R	8/19/2004												
299-W15-46	159	160	B17XF1	R	8/19/2004												
299-W15-46	159	160	B17XF2	R	8/19/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2-Dichloroethane (107-06-2)				1,2-Dichloroethene (total) (540-59-0)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004												
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004												
299-W15-46	184	186.3	B1B7J8		8/25/2004												
299-W15-46	184	186.3	B1B7J9		8/25/2004												
299-W15-46	184	186.3	B1B7K0	R	8/25/2004												
299-W15-46	184	186.3	B1B7K1	R	8/25/2004												
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004												
299-W15-46	223	224	B1B7J3		9/9/2004												
299-W15-46	223	224	B1B7J4		9/9/2004												
299-W15-46	223	224	B1B7J5	R	9/9/2004												
299-W15-46	223	224	B1B7J6	R	9/9/2004												
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U		1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg	N/A				5				10			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)			
						8260				8260				8260				B&K, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003									24	µg/kg						
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003			J													
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003									160	µg/kg	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)			
						8260				8260				8260				B&K, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U		76.174	µg/kg	J		10	µg/kg	U					
299-W15-46	90	92.5	B17N61		3/23/2004					260	µg/kg			36	µg/kg						
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)			
						8260				8260				8260				B&K, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004													3.25	PPM(V/V)		
299-W15-46	110	112	B17XC0	R	4/12/2004													2.11	PPM(V/V)		
299-W15-46	110	112	B17XC1	R	4/12/2004													1.98	PPM(V/V)		
299-W15-46	110	112	B17XC3		4/12/2004													2.7	PPM(V/V)		
299-W15-46	109.5	112	B18XR8		4/8/2004									150	µg/kg	U					
299-W15-46	109.5	112	B18XW3		4/8/2004					1500	µg/kg	E		27	µg/kg						
299-W15-46	115	117.5	B191Y4		4/15/2004					947	µg/kg	E		22	µg/kg						
299-W15-46	115	117.5	B191Y4-A		4/15/2004									81	µg/kg	U					
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U		42	µg/kg	U		2.1	µg/kg	U					
299-W15-46	117	119.5	B17N64		4/21/2004									75	µg/kg						
299-W15-46	117	119.5	B17N64-A		4/21/2004					301	µg/kg			80	µg/kg						
299-W15-46	117	119.5	B17N68		4/21/2004									91	µg/kg	U					
299-W15-46	118	119.5	B17XC4		4/22/2004													1	PPM(V/V)	U	
299-W15-46	118	119.5	B17XC5		4/22/2004													1	PPM(V/V)	U	
299-W15-46	118	119.5	B17XC6		4/22/2004													1	PPM(V/V)	U	
299-W15-46	118	119.5	B17XC7	R	4/22/2004													1	PPM(V/V)	U	

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)			
						8260				8260				8260				B&K, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004													1	PPM(V/V)	U	
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U		42	µg/kg	U		2.1	µg/kg	U					
299-W15-46	119.5	122	B17XC9		5/3/2004													1.28	PPM(V/V)	U	
299-W15-46	119.5	122	B17XD0		5/3/2004													1.45	PPM(V/V)		
299-W15-46	119.5	122	B17XD1		5/3/2004													1	PPM(V/V)	U	
299-W15-46	119.5	122	B17XD2	R	5/3/2004													1.49	PPM(V/V)		
299-W15-46	119.5	122	B17XD3	R	5/3/2004													1.44	PPM(V/V)		
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U						11	µg/kg	U					
299-W15-46	141	143	B17XD4		8/16/2004													1.96	PPM(V/V)		
299-W15-46	141	143	B17XD5		8/16/2004													1.4	PPM(V/V)		
299-W15-46	141	143	B17XD6		8/16/2004													1.62	PPM(V/V)		
299-W15-46	141	143	B17XD7	R	8/16/2004													1.53	PPM(V/V)		
299-W15-46	141	143	B17XD8	R	8/16/2004													1.49	PPM(V/V)		
299-W15-46	159	160	B17XD9		8/19/2004													1.55	PPM(V/V)		
299-W15-46	159	160	B17XF0	R	8/19/2004													1.31	PPM(V/V)		
299-W15-46	159	160	B17XF1	R	8/19/2004													1.14	PPM(V/V)		
299-W15-46	159	160	B17XF2	R	8/19/2004													1.34	PPM(V/V)		

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)			
						8260				8260				8260				B&K, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004													1.32	PPM(V/V)		
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U		41	µg/kg	U		2.1	µg/kg	U					
299-W15-46	184	186.3	B1B7J7		8/25/2004													1	PPM(V/V)	U	
299-W15-46	184	186.3	B1B7J8		8/25/2004													1	PPM(V/V)	U	
299-W15-46	184	186.3	B1B7J9		8/25/2004													1	PPM(V/V)	U	
299-W15-46	184	186.3	B1B7K0	R	8/25/2004													1	PPM(V/V)	U	
299-W15-46	184	186.3	B1B7K1	R	8/25/2004													1	PPM(V/V)	U	
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U		41	µg/kg	U		2.1	µg/kg	U					
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U					
299-W15-46	223	224	B1B7J2		9/9/2004													1	PPM(V/V)	U	
299-W15-46	223	224	B1B7J3		9/9/2004													1	PPM(V/V)	U	
299-W15-46	223	224	B1B7J4		9/9/2004													1.05	PPM(V/V)		
299-W15-46	223	224	B1B7J5	R	9/9/2004													1	PPM(V/V)	U	
299-W15-46	223	224	B1B7J6	R	9/9/2004													1	PPM(V/V)	U	
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U		43	µg/kg	U		2.1	µg/kg	U					
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U		38	µg/kg	U		1.9	µg/kg	U					
			B17MM8	EB	9/23/2003	1	µg/L	U		20	µg/L	U		1	µg/L	U					
					TQL (µg/kg	N/A				N/A				10				10			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Ethyl-1-hexanol (104-76-7)				2-Hexanone (591-78-6)				2-Methyl-2-propanol (75-65-0)				2-Pentanone (107-87-9)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Ethyl-1-hexanol (104-76-7)				2-Hexanone (591-78-6)				2-Methyl-2-propanol (75-65-0)				2-Pentanone (107-87-9)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004					10	µg/kg	U									
299-W15-46	90	92.5	B17N61		3/23/2004	8.5	µg/kg							4.3	µg/kg						
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Ethyl-1-hexanol (104-76-7)				2-Hexanone (591-78-6)				2-Methyl-2-propanol (75-65-0)				2-Pentanone (107-87-9)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	109.5	112	B18XW3		4/8/2004	24	µg/kg			1.3	µg/kg	J									
299-W15-46	115	117.5	B191Y4		4/15/2004					1.5	µg/kg	J									
299-W15-46	115	117.5	B191Y4-A		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004					2.1	µg/kg	U									
299-W15-46	117	119.5	B17N64		4/21/2004					1.3	µg/kg	J						6.6	µg/kg	J	
299-W15-46	117	119.5	B17N64-A		4/21/2004					7.6	µg/kg							6	µg/kg	J	
299-W15-46	117	119.5	B17N68		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Ethyl-1-hexanol (104-76-7)				2-Hexanone (591-78-6)				2-Methyl-2-propanol (75-65-0)				2-Pentanone (107-87-9)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004					2.1	µg/kg	U									
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	119.5	122	B18XT1		5/3/2004					11	µg/kg	U									
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Ethyl-1-hexanol (104-76-7)				2-Hexanone (591-78-6)				2-Methyl-2-propanol (75-65-0)				2-Pentanone (107-87-9)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004					2.1	µg/kg	U									
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004					2.1	µg/kg	U									
299-W15-46	184	186.5	B17N74		8/25/2004					2.1	µg/kg	U									
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004					2.1	µg/kg	U									
299-W15-46	226.5	229	B17NL5		9/9/2004					1.9	µg/kg	U									
			B17MM8	EB	9/23/2003					1	µg/L	U									
					TQL (µg/kg	N/A				N/A				N/A				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Pentanone, 4-methyl (108-10-1)				2-Propanol (67-63-0)				Acetone (67-64-1)				Acetonitrile (75-05-8)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003	0.81	µg/kg	U						15	µg/kg						
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	140	µg/kg	U						180	µg/kg	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Pentanone, 4-methyl (108-10-1)				2-Propanol (67-63-0)				Acetone (67-64-1)				Acetonitrile (75-05-8)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004	10	µg/kg	U						9	µg/kg	J		10	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	0.82	µg/kg	U						26	µg/kg						
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Pentanone, 4-methyl (108-10-1)				2-Propanol (67-63-0)				Acetone (67-64-1)				Acetonitrile (75-05-8)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	140	µg/kg	U						170	µg/kg	U					
299-W15-46	109.5	112	B18XW3		4/8/2004	0.66	µg/kg	U						51	µg/kg						
299-W15-46	115	117.5	B191Y4		4/15/2004	0.73	µg/kg	U		10	µg/kg			41	µg/kg						
299-W15-46	115	117.5	B191Y4-A		4/15/2004	73	µg/kg	U						590	µg/kg						
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U						2.1	µg/kg	U		4.2	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	1.2	µg/kg							170	µg/kg						
299-W15-46	117	119.5	B17N64-A		4/21/2004	0.62	µg/kg	U						79	µg/kg						
299-W15-46	117	119.5	B17N68		4/21/2004	82	µg/kg	U						660	µg/kg						
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Pentanone, 4-methyl (108-10-1)				2-Propanol (67-63-0)				Acetone (67-64-1)				Acetonitrile (75-05-8)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U						2.1	µg/kg	U		4.2	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U						540	µg/kg			22	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Pentanone, 4-methyl (108-10-1)				2-Propanol (67-63-0)				Acetone (67-64-1)				Acetonitrile (75-05-8)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U						2.1	µg/kg	U		4.2	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		4.2	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		4.2	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U						2.1	µg/kg	U		4.2	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U						1.9	µg/kg	U		3.8	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U						1	µg/L	U		2	µg/L	U	
					TQL (µg/kg	10				N/A				20				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzene (71-43-2)				Benzoic acid, 2-[(trimethylsilyl) oxy]-, trimethylsilyl ester (3789-85-3)				Bromodichloro methane (75-27-4)				Bromoform (75-25-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003	0.72	µg/kg	U													
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003	130	µg/kg	U													

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzene (71-43-2)				Benzoic acid, 2-[(trimethylsilyl) oxy]-, trimethylsilyl ester (3789-85-3)				Bromodichloro methane (75-27-4)				Bromoform (75-25-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U						5	µg/kg	U		5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	0.73	µg/kg	U													
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzene (71-43-2)				Benzoic acid, 2-[(trimethylsilyl) oxy]-, trimethylsilyl ester (3789-85-3)				Bromodichloro methane (75-27-4)				Bromoform (75-25-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004	120	µg/kg	U													
299-W15-46	109.5	112	B18XW3		4/8/2004	0.59	µg/kg	U													
299-W15-46	115	117.5	B191Y4		4/15/2004	0.97	µg/kg			6.3	µg/kg		R								
299-W15-46	115	117.5	B191Y4-A		4/15/2004	65	µg/kg	U													
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	0.79	µg/kg	U													
299-W15-46	117	119.5	B17N64-A		4/21/2004	0.56	µg/kg	U													
299-W15-46	117	119.5	B17N68		4/21/2004	73	µg/kg	U													
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzene (71-43-2)				Benzoic acid, 2-[(trimethylsilyl) oxy]-, trimethylsilyl ester (3789-85-3)				Bromodichloro methane (75-27-4)				Bromoform (75-25-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U						11	µg/kg	U		11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzene (71-43-2)				Benzoic acid, 2-[(trimethylsilyl) oxy]-, trimethylsilyl ester (3789-85-3)				Bromodichloro methane (75-27-4)				Bromoform (75-25-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U						1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U						1	µg/L	U		1	µg/L	U	
					TQL (µg/kg	5				N/A				N/A				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bromomethane (74-83-9)				Butyraldehyde (123-72-8)				Carbon dioxide (124-38-9)				Carbon disulfide (75-15-0)			
						8260				8260				GC, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003									0	%(vol)	U					
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003									0	%(vol)	U					
299-W15-46	49.5	50	B17RM6	R	10/20/2003									0	%(vol)	U					
299-W15-46	49.5	50	B17RM7	R	10/21/2003									0	%(vol)	U					
299-W15-46	49.5	50	B17RM8		10/21/2003									0	%(vol)	U					
299-W15-46	49.5	50	B18CX0	R	10/20/2003									0	%(vol)	U					
299-W15-46	49.5	50	B18CX1	R	10/21/2003									0	%(vol)	U					
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003									0.8	%(vol)						
299-W15-46	58.5	59.5	B17RN1		10/27/2003									0.7	%(vol)						
299-W15-46	58.5	59.5	B17RN2		10/27/2003									0.6	%(vol)						
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003									0.8	%(vol)						
299-W15-46	65	66	B17RN3	R	10/31/2003									0	%(vol)						
299-W15-46	65	66	B17RN4	R	10/31/2003									0	%(vol)	U					
299-W15-46	65	66	B17RN5		10/31/2003									0	%(vol)	U					
299-W15-46	65	66	B17RN6		10/31/2003									0	%(vol)	U					
299-W15-46	63.5	66	B17TM6		10/29/2003																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bromomethane (74-83-9)				Butyraldehyde (123-72-8)				Carbon dioxide (124-38-9)				Carbon disulfide (75-15-0)			
						8260				8260				GC, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003									0	%(vol)						
299-W15-46	65	66	B17X86	R	11/4/2003									0	%(vol)						
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004									0.2	%(vol)						
299-W15-46	66	67	B17X90		11/10/2003									3.2	%(vol)						
299-W15-46	66	67	B17X91		11/10/2003									3.1	%(vol)						
299-W15-46	66	67	B17X92	R	11/10/2003									3.2	%(vol)						
299-W15-46	66	67	B17X93	R	11/10/2003									3.2	%(vol)						
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004									0.8	%(vol)						
299-W15-46	81	82	B17XB2	R	3/22/2004									0.8	%(vol)						
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004	10	µg/kg	U										5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004																
299-W15-46	90	92.5	B17XB6		3/23/2004									1.3	%(vol)						
299-W15-46	90	92.5	B17XB7	R	3/23/2004									1.3	%(vol)						

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bromomethane (74-83-9)				Butyraldehyde (123-72-8)				Carbon dioxide (124-38-9)				Carbon disulfide (75-15-0)			
						8260				8260				GC, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004									2.4	%(vol)						
299-W15-46	110	112	B17XC0	R	4/12/2004									2.2	%(vol)						
299-W15-46	110	112	B17XC1	R	4/12/2004									2.2	%(vol)						
299-W15-46	110	112	B17XC3		4/12/2004									2	%(vol)						
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	109.5	112	B18XW3		4/8/2004					18	µg/kg										
299-W15-46	115	117.5	B191Y4		4/15/2004													11	µg/kg		
299-W15-46	115	117.5	B191Y4-A		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U										2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004																
299-W15-46	117	119.5	B17N64-A		4/21/2004																
299-W15-46	117	119.5	B17N68		4/21/2004																
299-W15-46	118	119.5	B17XC4		4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC5		4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC6		4/22/2004									0	%(vol)	U					
299-W15-46	118	119.5	B17XC7	R	4/22/2004									0	%(vol)	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bromomethane (74-83-9)				Butyraldehyde (123-72-8)				Carbon dioxide (124-38-9)				Carbon disulfide (75-15-0)			
						8260				8260				GC, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U										2.1	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD0		5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD1		5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD2	R	5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B17XD3	R	5/3/2004									0	%(vol)	U					
299-W15-46	119.5	122	B18XT1		5/3/2004	31	µg/kg	J										11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bromomethane (74-83-9)				Butyraldehyde (123-72-8)				Carbon dioxide (124-38-9)				Carbon disulfide (75-15-0)			
						8260				8260				GC, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U										2.1	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U										2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U										2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U										2.1	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U										1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U										1	µg/L	U	
					TQL (µg/kg	N/A				N/A				N/A				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5) 8260				Carbon tetrachloride (56-23-5) B&K, field				Chlorobenzene (108-90-7) 8260				Chloroethane (75-00-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003					1	PPM(V/V)	U									
299-W15-46	47.5	50	B17N46		10/20/2003	14	µg/kg							0.83	µg/kg	U					
299-W15-46	49.5	50	B17RM5		10/20/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B17RM6	R	10/20/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B17RM7	R	10/21/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B17RM8		10/21/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B18CX0	R	10/20/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B18CX1	R	10/21/2003					1	PPM(V/V)	U									
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003					222	PPM(V/V)										
299-W15-46	58.5	59.5	B17RN1		10/27/2003					231	PPM(V/V)										
299-W15-46	58.5	59.5	B17RN2		10/27/2003					220	PPM(V/V)										
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003					227	PPM(V/V)										
299-W15-46	65	66	B17RN3	R	10/31/2003					52.9	PPM(V/V)										
299-W15-46	65	66	B17RN4	R	10/31/2003					53.6	PPM(V/V)										
299-W15-46	65	66	B17RN5		10/31/2003					54.7	PPM(V/V)										
299-W15-46	65	66	B17RN6		10/31/2003					54.1	PPM(V/V)										
299-W15-46	63.5	66	B17TM6		10/29/2003	380000	µg/kg							150	µg/kg	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5) 8260				Carbon tetrachloride (56-23-5) B&K, field				Chlorobenzene (108-90-7) 8260				Chloroethane (75-00-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003					13.1	PPM(V/V)										
299-W15-46	65	66	B17X86	R	11/4/2003					15.8	PPM(V/V)										
299-W15-46	65	66	B17X87	R	11/4/2003					15.3	PPM(V/V)										
299-W15-46	66	67.5	B17X96		3/15/2004					16.4	PPM(V/V)										
299-W15-46	66	67.5	B17X97	R	3/15/2004					18.3	PPM(V/V)										
299-W15-46	66	67	B17X90		11/10/2003					8540	PPM(V/V)										
299-W15-46	66	67	B17X91		11/10/2003					8450	PPM(V/V)										
299-W15-46	66	67	B17X92	R	11/10/2003					8550	PPM(V/V)										
299-W15-46	66	67	B17X93	R	11/10/2003					8560	PPM(V/V)										
299-W15-46	66	67.5	B17X98	R	3/15/2004					18.3	PPM(V/V)										
299-W15-46	81	82	B17XB1		3/22/2004					4870	PPM(V/V)										
299-W15-46	81	82	B17XB2	R	3/22/2004					4760	PPM(V/V)										
299-W15-46	81	82	B17XB3	R	3/22/2004					4790	PPM(V/V)										
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U						5	µg/kg	U		10	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	19	µg/kg							0.84	µg/kg	U					
299-W15-46	90	92.5	B17XB6		3/23/2004					5750	PPM(V/V)										
299-W15-46	90	92.5	B17XB7	R	3/23/2004					5770	PPM(V/V)										

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)			
						8260				B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004					5780	PPM(V/V)										
299-W15-46	110	112	B17XB9		4/12/2004					9700	PPM(V/V)										
299-W15-46	110	112	B17XC0	R	4/12/2004					9310	PPM(V/V)										
299-W15-46	110	112	B17XC1	R	4/12/2004					9330	PPM(V/V)										
299-W15-46	110	112	B17XC3		4/12/2004					9240	PPM(V/V)										
299-W15-46	109.5	112	B18XR8		4/8/2004	240	µg/kg	U						140	µg/kg	U					
299-W15-46	109.5	112	B18XW3		4/8/2004	260	µg/kg							0.68	µg/kg	U					
299-W15-46	115	117.5	B191Y4		4/15/2004	290	µg/kg	J						0.98	µg/kg						
299-W15-46	115	117.5	B191Y4-A		4/15/2004	130	µg/kg	U						75	µg/kg	U					
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	92	µg/kg							0.91	µg/kg	U					
299-W15-46	117	119.5	B17N64-A		4/21/2004	240	µg/kg							0.64	µg/kg	U					
299-W15-46	117	119.5	B17N68		4/21/2004	140	µg/kg	U						84	µg/kg	U					
299-W15-46	118	119.5	B17XC4		4/22/2004					4.05	PPM(V/V)										
299-W15-46	118	119.5	B17XC5		4/22/2004					3.99	PPM(V/V)										
299-W15-46	118	119.5	B17XC6		4/22/2004					3.94	PPM(V/V)										
299-W15-46	118	119.5	B17XC7	R	4/22/2004					4.33	PPM(V/V)										

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5) 8260				Carbon tetrachloride (56-23-5) B&K, field				Chlorobenzene (108-90-7) 8260				Chloroethane (75-00-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004					4.33	PPM(V/V)										
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004					25.6	PPM(V/V)	U									
299-W15-46	119.5	122	B17XD0		5/3/2004					26.7	PPM(V/V)										
299-W15-46	119.5	122	B17XD1		5/3/2004					27	PPM(V/V)										
299-W15-46	119.5	122	B17XD2	R	5/3/2004					27.5	PPM(V/V)										
299-W15-46	119.5	122	B17XD3	R	5/3/2004					27.5	PPM(V/V)										
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U						11	µg/kg	U		11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004					1.32	PPM(V/V)										
299-W15-46	141	143	B17XD5		8/16/2004					1	PPM(V/V)	U									
299-W15-46	141	143	B17XD6		8/16/2004					1.01	PPM(V/V)										
299-W15-46	141	143	B17XD7	R	8/16/2004					1.15	PPM(V/V)										
299-W15-46	141	143	B17XD8	R	8/16/2004					1.16	PPM(V/V)										
299-W15-46	159	160	B17XD9		8/19/2004					6.24	PPM(V/V)										
299-W15-46	159	160	B17XF0	R	8/19/2004					5.73	PPM(V/V)										
299-W15-46	159	160	B17XF1	R	8/19/2004					5.7	PPM(V/V)										
299-W15-46	159	160	B17XF2	R	8/19/2004					2.4	PPM(V/V)										

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)			
						8260				B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004					2.41	PPM(V/V)										
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004					8.81	PPM(V/V)										
299-W15-46	184	186.3	B1B7J8		8/25/2004					10.5	PPM(V/V)										
299-W15-46	184	186.3	B1B7J9		8/25/2004					10.5	PPM(V/V)										
299-W15-46	184	186.3	B1B7K0	R	8/25/2004					10.5	PPM(V/V)										
299-W15-46	184	186.3	B1B7K1	R	8/25/2004					10.5	PPM(V/V)										
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004					16.9	PPM(V/V)										
299-W15-46	223	224	B1B7J3		9/9/2004					17	PPM(V/V)										
299-W15-46	223	224	B1B7J4		9/9/2004					17.1	PPM(V/V)										
299-W15-46	223	224	B1B7J5	R	9/9/2004					16.8	PPM(V/V)										
299-W15-46	223	224	B1B7J6	R	9/9/2004					16.8	PPM(V/V)										
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U						1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U						1	µg/L	U		1	µg/L	U	
					TQL (µg/kg	5				5				5				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) 8260				Chloroform (67-66-3) B&K, field				Chloromethane (74-87-3) 8260				cis-1,2-Dichloroethylene (156-59-2) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003					1	PPM(V/V)	U									
299-W15-46	47.5	50	B17N46		10/20/2003	0.78	µg/kg	U						1.8	µg/kg	U					
299-W15-46	49.5	50	B17RM5		10/20/2003					1.97	PPM(V/V)										
299-W15-46	49.5	50	B17RM6	R	10/20/2003					1.24	PPM(V/V)										
299-W15-46	49.5	50	B17RM7	R	10/21/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B17RM8		10/21/2003					1	PPM(V/V)	U									
299-W15-46	49.5	50	B18CX0	R	10/20/2003					1.19	PPM(V/V)										
299-W15-46	49.5	50	B18CX1	R	10/21/2003					1	PPM(V/V)	U									
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003					4.12	PPM(V/V)										
299-W15-46	58.5	59.5	B17RN1		10/27/2003					3.95	PPM(V/V)										
299-W15-46	58.5	59.5	B17RN2		10/27/2003					3.7	PPM(V/V)										
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003					4.13	PPM(V/V)										
299-W15-46	65	66	B17RN3	R	10/31/2003					1	PPM(V/V)	U									
299-W15-46	65	66	B17RN4	R	10/31/2003					1	PPM(V/V)	U									
299-W15-46	65	66	B17RN5		10/31/2003					1	PPM(V/V)	U									
299-W15-46	65	66	B17RN6		10/31/2003					1	PPM(V/V)	U									
299-W15-46	63.5	66	B17TM6		10/29/2003	4900	µg/kg							320	µg/kg	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) 8260				Chloroform (67-66-3) B&K, field				Chloromethane (74-87-3) 8260				cis-1,2-Dichloroethylene (156-59-2) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003					1	PPM(V/V)	U									
299-W15-46	65	66	B17X86	R	11/4/2003					1	PPM(V/V)	U									
299-W15-46	65	66	B17X87	R	11/4/2003					1	PPM(V/V)	U									
299-W15-46	66	67.5	B17X96		3/15/2004					1	PPM(V/V)	U									
299-W15-46	66	67.5	B17X97	R	3/15/2004					1	PPM(V/V)	U									
299-W15-46	66	67	B17X90		11/10/2003					125	PPM(V/V)										
299-W15-46	66	67	B17X91		11/10/2003					126	PPM(V/V)										
299-W15-46	66	67	B17X92	R	11/10/2003					130	PPM(V/V)										
299-W15-46	66	67	B17X93	R	11/10/2003					130	PPM(V/V)										
299-W15-46	66	67.5	B17X98	R	3/15/2004					1	PPM(V/V)	U									
299-W15-46	81	82	B17XB1		3/22/2004					9.41	PPM(V/V)										
299-W15-46	81	82	B17XB2	R	3/22/2004					9.78	PPM(V/V)										
299-W15-46	81	82	B17XB3	R	3/22/2004					9.73	PPM(V/V)										
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U						10	µg/kg	U		5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	0.96	µg/kg							1.8	µg/kg	U					
299-W15-46	90	92.5	B17XB6		3/23/2004					15.2	PPM(V/V)										
299-W15-46	90	92.5	B17XB7	R	3/23/2004					15.4	PPM(V/V)										

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) 8260				Chloroform (67-66-3) B&K, field				Chloromethane (74-87-3) 8260				cis-1,2-Dichloroethylene (156-59-2) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004					15.4	PPM(V/V)										
299-W15-46	110	112	B17XB9		4/12/2004					1.85	PPM(V/V)										
299-W15-46	110	112	B17XC0	R	4/12/2004					1.06	PPM(V/V)										
299-W15-46	110	112	B17XC1	R	4/12/2004					1.15	PPM(V/V)										
299-W15-46	110	112	B17XC3		4/12/2004					1.38	PPM(V/V)										
299-W15-46	109.5	112	B18XR8		4/8/2004	140	µg/kg	U						620	µg/kg	U					
299-W15-46	109.5	112	B18XW3		4/8/2004	15	µg/kg							1.5	µg/kg	U					
299-W15-46	115	117.5	B191Y4		4/15/2004	14	µg/kg							1.6	µg/kg	U					
299-W15-46	115	117.5	B191Y4-A		4/15/2004	71	µg/kg	U						160	µg/kg	U					
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	8.7	µg/kg							2	µg/kg	U					
299-W15-46	117	119.5	B17N64-A		4/21/2004	13	µg/kg							1.4	µg/kg	U					
299-W15-46	117	119.5	B17N68		4/21/2004	80	µg/kg	U						180	µg/kg	U					
299-W15-46	118	119.5	B17XC4		4/22/2004					1	PPM(V/V)	U									
299-W15-46	118	119.5	B17XC5		4/22/2004					1	PPM(V/V)	U									
299-W15-46	118	119.5	B17XC6		4/22/2004					1	PPM(V/V)	U									
299-W15-46	118	119.5	B17XC7	R	4/22/2004					1	PPM(V/V)	U									

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) 8260				Chloroform (67-66-3) B&K, field				Chloromethane (74-87-3) 8260				cis-1,2-Dichloroethylene (156-59-2) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004					1	PPM(V/V)	U									
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004					1.26	PPM(V/V)	U									
299-W15-46	119.5	122	B17XD0		5/3/2004					1.4	PPM(V/V)										
299-W15-46	119.5	122	B17XD1		5/3/2004					1.14	PPM(V/V)										
299-W15-46	119.5	122	B17XD2	R	5/3/2004					1.18	PPM(V/V)										
299-W15-46	119.5	122	B17XD3	R	5/3/2004					1.48	PPM(V/V)										
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U						110	µg/kg						
299-W15-46	141	143	B17XD4		8/16/2004					1.86	PPM(V/V)										
299-W15-46	141	143	B17XD5		8/16/2004					1.43	PPM(V/V)										
299-W15-46	141	143	B17XD6		8/16/2004					1.91	PPM(V/V)										
299-W15-46	141	143	B17XD7	R	8/16/2004					2.45	PPM(V/V)										
299-W15-46	141	143	B17XD8	R	8/16/2004					2.35	PPM(V/V)										
299-W15-46	159	160	B17XD9		8/19/2004					2.71	PPM(V/V)										
299-W15-46	159	160	B17XF0	R	8/19/2004					2	PPM(V/V)										
299-W15-46	159	160	B17XF1	R	8/19/2004					2.34	PPM(V/V)										
299-W15-46	159	160	B17XF2	R	8/19/2004					1.34	PPM(V/V)										

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chloroform (67-66-3)				Chloroform (67-66-3)				Chloromethane (74-87-3)				cis-1,2-Dichloroethylene (156-59-2)			
						8260				B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004					1.32	PPM(V/V)										
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B1B7J7		8/25/2004					2.71	PPM(V/V)										
299-W15-46	184	186.3	B1B7J8		8/25/2004					2.42	PPM(V/V)										
299-W15-46	184	186.3	B1B7J9		8/25/2004					2.02	PPM(V/V)										
299-W15-46	184	186.3	B1B7K0	R	8/25/2004					1.76	PPM(V/V)										
299-W15-46	184	186.3	B1B7K1	R	8/25/2004					1.84	PPM(V/V)										
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U						2.1	µg/kg	U					
299-W15-46	223	224	B1B7J2		9/9/2004					4.95	PPM(V/V)										
299-W15-46	223	224	B1B7J3		9/9/2004					5.09	PPM(V/V)										
299-W15-46	223	224	B1B7J4		9/9/2004					4.75	PPM(V/V)										
299-W15-46	223	224	B1B7J5	R	9/9/2004					5.03	PPM(V/V)										
299-W15-46	223	224	B1B7J6	R	9/9/2004					4.86	PPM(V/V)										
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U						1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U						1	µg/L	U					
					TQL (µg/kg	5				5				5				10			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	cis-1,3-Dichloropropene (10061-01-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003									1.1	µg/kg	U					
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003									190	µg/kg	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	cis-1,3-Dichloropropene (10061-01-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U		5	µg/kg	U		5	µg/kg	U					
299-W15-46	90	92.5	B17N61		3/23/2004									1.1	µg/kg	U					
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	cis-1,3-Dichloropropene (10061-01-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004									180	µg/kg	U					
299-W15-46	109.5	112	B18XW3		4/8/2004									0.88	µg/kg	U		5.2	µg/kg		
299-W15-46	115	117.5	B191Y4		4/15/2004									0.97	µg/kg	U					
299-W15-46	115	117.5	B191Y4-A		4/15/2004									97	µg/kg	U					
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	117	119.5	B17N64		4/21/2004									1.2	µg/kg	U					
299-W15-46	117	119.5	B17N64-A		4/21/2004									0.82	µg/kg	U		15	µg/kg		
299-W15-46	117	119.5	B17N68		4/21/2004									110	µg/kg	U					
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	cis-1,3-Dichloropropene (10061-01-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U					
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	cis-1,3-Dichloropropene (10061-01-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U		1.9	µg/kg	U		1.9	µg/kg	U					
			B17MM8	EB	9/23/2003	1	µg/L	U		1	µg/L	U		1	µg/L	U					
					TQL (µg/kg	N/A				N/A				5				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Hexachloroethane (67-72-1) 8270				Hexanal (66-25-1) 8260				Hexane (110-54-3) 8260				Methylene chloride (75-09-2) 8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	222-S													1.4	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S													250	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP	350	µg/kg	U	J					2	µg/kg	J		12	µg/kg		
299-W15-46	90	92.5	B17N61		3/23/2004	222-S													1.4	µg/kg	U	
299-W15-46	110	112	B17XB9		4/12/2004	FIELD																
299-W15-46	110	112	B17XC0	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC1	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC3		4/12/2004	FIELD																
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S													240	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004	222-S													1.1	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004	222-S													1.2	µg/kg	U	
299-W15-46	115	117.5	B191Y4-A		4/15/2004	222-S													120	µg/kg	U	
299-W15-46	115	117.5	B191Y7		4/15/2004	RLNP	330	µg/kg	U													
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF	490	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	222-S													1.5	µg/kg	U	
299-W15-46	117	119.5	B17N64-A		4/21/2004	222-S					13	µg/kg							1.1	µg/kg	U	
299-W15-46	117	119.5	B17N68		4/21/2004	222-S													140	µg/kg	U	
299-W15-46	118	119.5	B17XC4		4/22/2004	FIELD																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Hexachloroethane (67-72-1)				Hexanal (66-25-1)				Hexane (110-54-3)				Methylene chloride (75-09-2)			
							8270				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC5		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC6		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC7	R	4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC8	R	4/22/2004	FIELD																
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF	490	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP	380	µg/kg	U													
299-W15-46	119.5	122	B17XC9		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD0		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD1		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD2	R	5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD3	R	5/3/2004	FIELD																
299-W15-46	119.5	122	B18XT1		5/3/2004	WSCF									11	µg/kg	U		20	µg/kg	J	
299-W15-46	141	143	B17XD4		8/16/2004	FIELD																
299-W15-46	141	143	B17XD5		8/16/2004	FIELD																
299-W15-46	141	143	B17XD6		8/16/2004	FIELD																
299-W15-46	141	143	B17XD7	R	8/16/2004	FIELD																
299-W15-46	141	143	B17XD8	R	8/16/2004	FIELD																
299-W15-46	159	160	B17XD9		8/19/2004	FIELD																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Hexachloroethane (67-72-1)				Hexanal (66-25-1)				Hexane (110-54-3)				Methylene chloride (75-09-2)			
							8270				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF0	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF1	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF2	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF3	R	8/19/2004	FIELD																
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF	480	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B191Y4		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7J8		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7J9		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004	FIELD																
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF	480	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	WSCF									2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J3		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J4		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J5	R	9/9/2004	FIELD																
299-W15-46	223	224	B1B7J6	R	9/9/2004	FIELD																
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF	500	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Hexachloroethane (67-72-1)				Hexanal (66-25-1)				Hexane (110-54-3)				Methylene chloride (75-09-2)			
							8270				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF	530	µg/kg	U						1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	WSCF	5.7	µg/L	U						1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)		N/A				N/A				N/A				5			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Nitromethane (75-52-5)				n-Valeraldehyde (110-62-3)			
						B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003												
299-W15-46	90	92.5	B17N52		3/23/2004												
299-W15-46	90	92.5	B17N61		3/23/2004												
299-W15-46	110	112	B17XB9		4/12/2004	36.8	PPM(V/V)										
299-W15-46	110	112	B17XC0	R	4/12/2004	29.6	PPM(V/V)										
299-W15-46	110	112	B17XC1	R	4/12/2004	30.6	PPM(V/V)										
299-W15-46	110	112	B17XC3		4/12/2004	37	PPM(V/V)										
299-W15-46	109.5	112	B18XR8		4/8/2004												
299-W15-46	109.5	112	B18XW3		4/8/2004					5.5	µg/kg						
299-W15-46	115	117.5	B191Y4		4/15/2004												
299-W15-46	115	117.5	B191Y4-A		4/15/2004												
299-W15-46	115	117.5	B191Y7		4/15/2004												
299-W15-46	117	119.5	B17N60		4/21/2004												
299-W15-46	117	119.5	B17N64		4/21/2004												
299-W15-46	117	119.5	B17N64-A		4/21/2004									8.9	µg/kg		
299-W15-46	117	119.5	B17N68		4/21/2004												
299-W15-46	118	119.5	B17XC4		4/22/2004	1.08	PPM(V/V)	U									

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Nitromethane (75-52-5)				n-Valeraldehyde (110-62-3)			
						B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC5		4/22/2004	1.41	PPM(V/V)										
299-W15-46	118	119.5	B17XC6		4/22/2004	1.04	PPM(V/V)										
299-W15-46	118	119.5	B17XC7	R	4/22/2004	2.42	PPM(V/V)										
299-W15-46	118	119.5	B17XC8	R	4/22/2004	2.2	PPM(V/V)										
299-W15-46	119.5	122	B17N63		5/3/2004												
299-W15-46	119.5	122	B17N65		5/3/2004												
299-W15-46	119.5	122	B17XC9		5/3/2004	4.28	PPM(V/V)										
299-W15-46	119.5	122	B17XD0		5/3/2004	4.42	PPM(V/V)										
299-W15-46	119.5	122	B17XD1		5/3/2004	3.75	PPM(V/V)										
299-W15-46	119.5	122	B17XD2	R	5/3/2004	4.56	PPM(V/V)										
299-W15-46	119.5	122	B17XD3	R	5/3/2004	4.42	PPM(V/V)										
299-W15-46	119.5	122	B18XT1		5/3/2004												
299-W15-46	141	143	B17XD4		8/16/2004	3.21	PPM(V/V)		J								
299-W15-46	141	143	B17XD5		8/16/2004	3.02	PPM(V/V)		J								
299-W15-46	141	143	B17XD6		8/16/2004	3.11	PPM(V/V)		J								
299-W15-46	141	143	B17XD7	R	8/16/2004	3.01	PPM(V/V)		J								
299-W15-46	141	143	B17XD8	R	8/16/2004	3.25	PPM(V/V)		J								
299-W15-46	159	160	B17XD9		8/19/2004	6.26	PPM(V/V)										

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Nitromethane (75-52-5)				n-Valeraldehyde (110-62-3)			
						B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF0	R	8/19/2004	7.02	PPM(V/V)										
299-W15-46	159	160	B17XF1	R	8/19/2004	6.54	PPM(V/V)										
299-W15-46	159	160	B17XF2	R	8/19/2004	5.94	PPM(V/V)										
299-W15-46	159	160	B17XF3	R	8/19/2004	5.75	PPM(V/V)										
299-W15-46	174	176.5	B17N67		8/23/2004												
299-W15-46	184	186.3	B191Y4		8/25/2004	4.75	PPM(V/V)										
299-W15-46	184	186.3	B1B7J8		8/25/2004	5.99	PPM(V/V)										
299-W15-46	184	186.3	B1B7J9		8/25/2004	6.64	PPM(V/V)										
299-W15-46	184	186.3	B1B7K0	R	8/25/2004	6.09	PPM(V/V)										
299-W15-46	184	186.3	B1B7K1	R	8/25/2004	5.88	PPM(V/V)										
299-W15-46	184	186.5	B17N70		8/25/2004												
299-W15-46	184	186.5	B17N74		8/25/2004												
299-W15-46	223	224	B1B7J2		9/9/2004	13	PPM(V/V)										
299-W15-46	223	224	B1B7J3		9/9/2004	12.6	PPM(V/V)										
299-W15-46	223	224	B1B7J4		9/9/2004	13.3	PPM(V/V)										
299-W15-46	223	224	B1B7J5	R	9/9/2004	12.7	PPM(V/V)										
299-W15-46	223	224	B1B7J6	R	9/9/2004	12.7	PPM(V/V)										
299-W15-46	224	226.5	B17N73		9/9/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Nitromethane (75-52-5)				n-Valeraldehyde (110-62-3)			
						B&K, field				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	226.5	229	B17NL5		9/9/2004												
			B17MM8	EB	9/23/2003												
					TQL (µg/kg	5				N/A				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Styrene (100-42-5) 8260				Tetrachloroethene (127-18-4) 8260				Tetrahydrofuran (109-99-9) 8260				Toluene (108-88-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					0.76	µg/kg	U						0.7	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003					17000	µg/kg							130	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U		5	µg/kg	U						5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004					0.77	µg/kg	U		9.6	µg/kg	J		0.71	µg/kg	U	
299-W15-46	110	112	B17XB9		4/12/2004																
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004					130	µg/kg	U						120	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004					0.94	µg/kg			112	µg/kg			0.57	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004	2.9	µg/kg	J		1.6	µg/kg			51	µg/kg			0.97	µg/kg		
299-W15-46	115	117.5	B191Y4-A		4/15/2004					69	µg/kg	U						63	µg/kg	U	
299-W15-46	115	117.5	B191Y7		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U		2.1	µg/kg	U						2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004					2	µg/kg			93	µg/kg			1.3	µg/kg		
299-W15-46	117	119.5	B17N64-A		4/21/2004					5.4	µg/kg			36	µg/kg			0.54	µg/kg	U	
299-W15-46	117	119.5	B17N68		4/21/2004					77	µg/kg	U						71	µg/kg	U	
299-W15-46	118	119.5	B17XC4		4/22/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Styrene (100-42-5) 8260				Tetrachloroethene (127-18-4) 8260				Tetrahydrofuran (109-99-9) 8260				Toluene (108-88-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U		2.1	µg/kg	U						2.1	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U		11	µg/kg	U						11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Styrene (100-42-5) 8260				Tetrachloroethene (127-18-4) 8260				Tetrahydrofuran (109-99-9) 8260				Toluene (108-88-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U		2.1	µg/kg	U						2.1	µg/kg	U	
299-W15-46	184	186.3	B191Y4		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	3.4	µg/kg	J		2.1	µg/kg	U						2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U						2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U		2.1	µg/kg	U						2.1	µg/kg	U	

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrahydrofuran (109-99-9)				Toluene (108-88-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U		1.9	µg/kg	U						1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U		1	µg/L	U						1	µg/L	U	
					TQL (µg/kg	N/A				5				N/A				5			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	trans-1,2-Dichloroethylene (156-60-5)				trans-1,3-Dichloropropene (10061-02-6)				Tribromoethylene (598-16-3)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003												
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U		5	µg/kg	U					
299-W15-46	90	92.5	B17N61		3/23/2004												
299-W15-46	110	112	B17XB9		4/12/2004												
299-W15-46	110	112	B17XC0	R	4/12/2004												
299-W15-46	110	112	B17XC1	R	4/12/2004												
299-W15-46	110	112	B17XC3		4/12/2004												
299-W15-46	109.5	112	B18XR8		4/8/2004												
299-W15-46	109.5	112	B18XW3		4/8/2004												
299-W15-46	115	117.5	B191Y4		4/15/2004												
299-W15-46	115	117.5	B191Y4-A		4/15/2004												
299-W15-46	115	117.5	B191Y7		4/15/2004												
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	117	119.5	B17N64		4/21/2004												
299-W15-46	117	119.5	B17N64-A		4/21/2004									5.7	µg/kg		
299-W15-46	117	119.5	B17N68		4/21/2004												
299-W15-46	118	119.5	B17XC4		4/22/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	trans-1,2-Dichloroethylene (156-60-5)				trans-1,3-Dichloropropene (10061-02-6)				Tribromoethylene (598-16-3)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC5		4/22/2004												
299-W15-46	118	119.5	B17XC6		4/22/2004												
299-W15-46	118	119.5	B17XC7	R	4/22/2004												
299-W15-46	118	119.5	B17XC8	R	4/22/2004												
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	119.5	122	B17N65		5/3/2004												
299-W15-46	119.5	122	B17XC9		5/3/2004												
299-W15-46	119.5	122	B17XD0		5/3/2004												
299-W15-46	119.5	122	B17XD1		5/3/2004												
299-W15-46	119.5	122	B17XD2	R	5/3/2004												
299-W15-46	119.5	122	B17XD3	R	5/3/2004												
299-W15-46	119.5	122	B18XT1		5/3/2004					11	µg/kg	U					
299-W15-46	141	143	B17XD4		8/16/2004												
299-W15-46	141	143	B17XD5		8/16/2004												
299-W15-46	141	143	B17XD6		8/16/2004												
299-W15-46	141	143	B17XD7	R	8/16/2004												
299-W15-46	141	143	B17XD8	R	8/16/2004												
299-W15-46	159	160	B17XD9		8/19/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	trans-1,2-Dichloroethylene (156-60-5)				trans-1,3-Dichloropropene (10061-02-6)				Tribromoethylene (598-16-3)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF0	R	8/19/2004												
299-W15-46	159	160	B17XF1	R	8/19/2004												
299-W15-46	159	160	B17XF2	R	8/19/2004												
299-W15-46	159	160	B17XF3	R	8/19/2004												
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	184	186.3	B191Y4		8/25/2004							J					
299-W15-46	184	186.3	B1B7J8		8/25/2004												
299-W15-46	184	186.3	B1B7J9		8/25/2004												
299-W15-46	184	186.3	B1B7K0	R	8/25/2004												
299-W15-46	184	186.3	B1B7K1	R	8/25/2004												
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U					
299-W15-46	184	186.5	B17N74		8/25/2004					2.1	µg/kg	U					
299-W15-46	223	224	B1B7J2		9/9/2004												
299-W15-46	223	224	B1B7J3		9/9/2004												
299-W15-46	223	224	B1B7J4		9/9/2004												
299-W15-46	223	224	B1B7J5	R	9/9/2004												
299-W15-46	223	224	B1B7J6	R	9/9/2004												
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U		2.1	µg/kg	U					

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	trans-1,2-Dichloroethylene (156-60-5)				trans-1,3-Dichloropropene (10061-02-6)				Tribromoethylene (598-16-3)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U		1.9	µg/kg	U					
			B17MM8	EB	9/23/2003	1	µg/L	U		1	µg/L	U					
					TQL (µg/kg)	10				N/A				N/A			

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Trichloroethene (79-01-6)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	0.94	µg/kg	U		1.6	µg/kg	U		1.7	µg/kg	U	
299-W15-46	63.5	66	B17TM6		10/29/2003	170	µg/kg	U		290	µg/kg	U		310	µg/kg	U	
299-W15-46	90	92.5	B17N52		3/23/2004	5	µg/kg	U		10	µg/kg	U		5	µg/kg	U	
299-W15-46	90	92.5	B17N61		3/23/2004	0.95	µg/kg	U		1.7	µg/kg	U		1.8	µg/kg	U	
299-W15-46	110	112	B17XB9		4/12/2004												
299-W15-46	110	112	B17XC0	R	4/12/2004												
299-W15-46	110	112	B17XC1	R	4/12/2004												
299-W15-46	110	112	B17XC3		4/12/2004												
299-W15-46	109.5	112	B18XR8		4/8/2004	160	µg/kg	U		560	µg/kg	U		300	µg/kg	U	
299-W15-46	109.5	112	B18XW3		4/8/2004	0.77	µg/kg	U		1.3	µg/kg	U		1.4	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004	1.1	µg/kg			1.5	µg/kg	U		1.6	µg/kg	U	
299-W15-46	115	117.5	B191Y4-A		4/15/2004	85	µg/kg	U		150	µg/kg	U		160	µg/kg	U	
299-W15-46	115	117.5	B191Y7		4/15/2004												
299-W15-46	117	119.5	B17N60		4/21/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	117	119.5	B17N64		4/21/2004	1	µg/kg	U		1.8	µg/kg	U		1.9	µg/kg	U	
299-W15-46	117	119.5	B17N64-A		4/21/2004	0.72	µg/kg	U		1.3	µg/kg	U		1.3	µg/kg	U	
299-W15-46	117	119.5	B17N68		4/21/2004	95	µg/kg	U		170	µg/kg	U		180	µg/kg	U	
299-W15-46	118	119.5	B17XC4		4/22/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Trichloroethene (79-01-6)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	118	119.5	B17XC5		4/22/2004												
299-W15-46	118	119.5	B17XC6		4/22/2004												
299-W15-46	118	119.5	B17XC7	R	4/22/2004												
299-W15-46	118	119.5	B17XC8	R	4/22/2004												
299-W15-46	119.5	122	B17N63		5/3/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004												
299-W15-46	119.5	122	B17XC9		5/3/2004												
299-W15-46	119.5	122	B17XD0		5/3/2004												
299-W15-46	119.5	122	B17XD1		5/3/2004												
299-W15-46	119.5	122	B17XD2	R	5/3/2004												
299-W15-46	119.5	122	B17XD3	R	5/3/2004												
299-W15-46	119.5	122	B18XT1		5/3/2004	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U	
299-W15-46	141	143	B17XD4		8/16/2004												
299-W15-46	141	143	B17XD5		8/16/2004												
299-W15-46	141	143	B17XD6		8/16/2004												
299-W15-46	141	143	B17XD7	R	8/16/2004												
299-W15-46	141	143	B17XD8	R	8/16/2004												
299-W15-46	159	160	B17XD9		8/19/2004												

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Trichloroethene (79-01-6)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	159	160	B17XF0	R	8/19/2004												
299-W15-46	159	160	B17XF1	R	8/19/2004												
299-W15-46	159	160	B17XF2	R	8/19/2004												
299-W15-46	159	160	B17XF3	R	8/19/2004												
299-W15-46	174	176.5	B17N67		8/23/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.3	B191Y4		8/25/2004												
299-W15-46	184	186.3	B1B7J8		8/25/2004												
299-W15-46	184	186.3	B1B7J9		8/25/2004												
299-W15-46	184	186.3	B1B7K0	R	8/25/2004												
299-W15-46	184	186.3	B1B7K1	R	8/25/2004												
299-W15-46	184	186.5	B17N70		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	184	186.5	B17N74		8/25/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
299-W15-46	223	224	B1B7J2		9/9/2004												
299-W15-46	223	224	B1B7J3		9/9/2004												
299-W15-46	223	224	B1B7J4		9/9/2004												
299-W15-46	223	224	B1B7J5	R	9/9/2004												
299-W15-46	223	224	B1B7J6	R	9/9/2004												
299-W15-46	224	226.5	B17N73		9/9/2004	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	

Table B-5. Volatile Organic Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (70 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Trichloroethene (79-01-6)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	226.5	229	B17NL5		9/9/2004	1.9	µg/kg	U		1.9	µg/kg	U		1.9	µg/kg	U	
			B17MM8	EB	9/23/2003	1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg	5				N/A				5			

Table B-6. Physical Property Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (6 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Percent passing 3-inch sieve (PAS3IN) D422				Percent passing 1.5-inch sieve (PAS1.5IN) D422				Percent passing 3/4-inch sieve (PAS3/4IN) D422				Percent passing 3/8-inch sieve (PAS3/8IN) D422			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003	222-S																
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S																
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP																
299-W15-46	90	92.5	B17N53		3/23/2004	SHAW	100	%			100	%			100	%			100	%		
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S																
299-W15-46	115	117.5	B191Y6		4/15/2004	SHAW	100	%			100	%			100	%			100	%		
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF																
299-W15-46	117	119.5	B17T82		4/21/2004	SHAW	100	%			100	%			100	%			91.1	%		
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF																
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP																
299-W15-46	119.5	122	B17RM3		5/3/2004	SHAW	100	%			100	%			94	%			87.4	%		
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF																
299-W15-46	174	176.5	B17N69		8/23/2004	RLNP																
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF																
299-W15-46	184	186.5	B17N72		8/25/2004	RLNP																
299-W15-46	184	186.5	B17T84		8/25/2004	SHAW	100	%			100	%			81.8	%			50.8	%		
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF																
299-W15-46	224	226.5	B17NL3		9/9/2004	RLNP																
299-W15-46	224	226.5	B17NL4		9/9/2004	SHAW	100	%			100	%			85.7	%			65	%		
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF																
299-W15-46	226.5	229	B17NL7		9/9/2004	RLNP																
			B17MM8	EB	9/23/2003	WSCF																

Table B-6. Physical Property Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (6 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Percent passing No.4 sieve (PAS#4)				Percent passing No.10 sieve (PAS#10)				Percent passing No.20 sieve (PAS#20)				Percent passing No.40 sieve (PAS#40)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	90	92.5	B17N53		3/23/2004	100	%			99.5	%			91.7	%			69.8	%		
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004	100	%			100	%			100	%			100	%		
299-W15-46	117	119.5	B17N60		4/21/2004																
299-W15-46	117	119.5	B17T82		4/21/2004	82.9	%			68.3	%			56.5	%			51.1	%		
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004	79.6	%			69.7	%			57.9	%			49.5	%		
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004																
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	184	186.5	B17T84		8/25/2004	36.8	%			30.7	%			27.4	%			25.2	%		
299-W15-46	224	226.5	B17N73		9/9/2004																
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004	44.9	%			38.4	%			33.6	%			29	%		
299-W15-46	226.5	229	B17NL5		9/9/2004																
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003																

Table B-6. Physical Property Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (6 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Percent passing No.60 sieve (PAS#60)				Percent passing No.100 sieve (PAS#100)				Percent passing No.140 sieve (PAS#140)				Percent passing No.200 sieve (PAS#200)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004																
299-W15-46	90	92.5	B17N53		3/23/2004	49.4	%			36	%			28.1	%			18.9	%		
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004	99.1	%			96.2	%			90.8	%			75.5	%		
299-W15-46	117	119.5	B17N60		4/21/2004																
299-W15-46	117	119.5	B17T82		4/21/2004	48.5	%			46.2	%			44.9	%			42.4	%		
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004																
299-W15-46	119.5	122	B17RM3		5/3/2004	43.9	%	J		39	%			36	%			32.7	%		
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.5	B17N70		8/25/2004																
299-W15-46	184	186.5	B17N72		8/25/2004																
299-W15-46	184	186.5	B17T84		8/25/2004	23.4	%			20.7	%			16.6	%			12	%		
299-W15-46	224	226.5	B17N73		9/9/2004																
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	224	226.5	B17NL4		9/9/2004	22.4	%			17.3	%			15	%			13.1	%		
299-W15-46	226.5	229	B17NL5		9/9/2004																
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003																

Table B-6. Physical Property Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (6 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bulk density - dry (BULKDENSITY-DRY)				Bulk density - wet (BULKDENSITY-WET)				Cation exchange capacity (CEC)				Hydraulic conductivity (HYDCON)			
						D2937				D2937				9081				D5084			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003																
299-W15-46	90	92.5	B17N52		3/23/2004									2.8	mEQ/100g						
299-W15-46	90	92.5	B17N53		3/23/2004	1676	kg/m3			1759	kg/m3							0.000016	cm/s		
299-W15-46	109.5	112	B18XR8		4/8/2004																
299-W15-46	115	117.5	B191Y6		4/15/2004																
299-W15-46	117	119.5	B17N60		4/21/2004																
299-W15-46	117	119.5	B17T82		4/21/2004	1430	kg/m3			1608	kg/m3							4	cm/s		
299-W15-46	119.5	122	B17N63		5/3/2004																
299-W15-46	119.5	122	B17N65		5/3/2004									11.2	mEQ/100g	D					
299-W15-46	119.5	122	B17RM3		5/3/2004	1898	kg/m3			2015	kg/m3							4	cm/s		
299-W15-46	174	176.5	B17N67		8/23/2004																
299-W15-46	174	176.5	B17N69		8/23/2004									7.4	mEQ/100g						
299-W15-46	184	186.5	B17N70		8/25/2004																
299-W15-46	184	186.5	B17N72		8/25/2004									18.4	mEQ/100g						
299-W15-46	184	186.5	B17T84		8/25/2004	2102	kg/m3			2150	kg/m3							1	cm/s		
299-W15-46	224	226.5	B17N73		9/9/2004																
299-W15-46	224	226.5	B17NL3		9/9/2004									13.2	mEQ/100g						
299-W15-46	224	226.5	B17NL4		9/9/2004	1752	kg/m3			1857	kg/m3							0.000029	cm/s		
299-W15-46	226.5	229	B17NL5		9/9/2004																
299-W15-46	226.5	229	B17NL7		9/9/2004									25.6	mEQ/100g						
			B17MM8	EB	9/23/2003																

Table B-6. Physical Property Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (6 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Percent moisture (dry sample) (%MOISTURE-D)				Percent moisture (wet sample) (%MOISTURE)				Percent solids (%SOLIDS)			
						D2216				D2216				Gravimetry			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003												
299-W15-46	63.5	66	B17TM6		10/29/2003												
299-W15-46	90	92.5	B17N52		3/23/2004												
299-W15-46	90	92.5	B17N53		3/23/2004	4.4	%			4.2	%			95.8	%		
299-W15-46	109.5	112	B18XR8		4/8/2004												
299-W15-46	115	117.5	B191Y6		4/15/2004	23.6	%			19.1	%			80.9	%		
299-W15-46	117	119.5	B17N60		4/21/2004												
299-W15-46	117	119.5	B17T82		4/21/2004	6.2	%			5.8	%			94.2	%		
299-W15-46	119.5	122	B17N63		5/3/2004												
299-W15-46	119.5	122	B17N65		5/3/2004												
299-W15-46	119.5	122	B17RM3		5/3/2004	5.5	%			5.2	%			94.8	%		
299-W15-46	174	176.5	B17N67		8/23/2004												
299-W15-46	174	176.5	B17N69		8/23/2004												
299-W15-46	184	186.5	B17N70		8/25/2004												
299-W15-46	184	186.5	B17N72		8/25/2004												
299-W15-46	184	186.5	B17T84		8/25/2004	2.9	%			2.8	%			97.2	%		
299-W15-46	224	226.5	B17N73		9/9/2004												
299-W15-46	224	226.5	B17NL3		9/9/2004												
299-W15-46	224	226.5	B17NL4		9/9/2004	6	%			5.7	%						
299-W15-46	226.5	229	B17NL5		9/9/2004												
299-W15-46	226.5	229	B17NL7		9/9/2004												
			B17MM8	EB	9/23/2003												

Table B-6. Physical Property Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (6 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	pH Measurement (PH) 150.1				pH Measurement (PH) 9045				Specific gravity (SPECGVTY) D854			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	47.5	50	B17N46		10/20/2003					6.5	pH						
299-W15-46	63.5	66	B17TM6		10/29/2003					3.86	pH						
299-W15-46	90	92.5	B17N52		3/23/2004					8.4	pH						
299-W15-46	90	92.5	B17N53		3/23/2004									2.7201	unitless		
299-W15-46	109.5	112	B18XR8		4/8/2004					5.97	pH						
299-W15-46	115	117.5	B191Y6		4/15/2004												
299-W15-46	117	119.5	B17N60		4/21/2004	7.41	pH										
299-W15-46	117	119.5	B17T82		4/21/2004									2.7705	unitless		
299-W15-46	119.5	122	B17N63		5/3/2004	8.316	pH										
299-W15-46	119.5	122	B17N65		5/3/2004												
299-W15-46	119.5	122	B17RM3		5/3/2004									2.8383	unitless		
299-W15-46	174	176.5	B17N67		8/23/2004	9.377	pH										
299-W15-46	174	176.5	B17N69		8/23/2004												
299-W15-46	184	186.5	B17N70		8/25/2004	9.379	pH										
299-W15-46	184	186.5	B17N72		8/25/2004												
299-W15-46	184	186.5	B17T84		8/25/2004									2.7326	unitless		
299-W15-46	224	226.5	B17N73		9/9/2004	8.454	pH										
299-W15-46	224	226.5	B17NL3		9/9/2004												
299-W15-46	224	226.5	B17NL4		9/9/2004									2.7576	unitless		
299-W15-46	226.5	229	B17NL5		9/9/2004	8.059	pH										
299-W15-46	226.5	229	B17NL7		9/9/2004												
			B17MM8	EB	9/23/2003	6.038	pH										

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Ammonia (7664-41-7) 350.3				Ammonium ion (14798-03-9) 300.7				Nitrate (14797-55-8) 300				Nitrite (14797-65-0) 300			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003	FIELD																
299-W15-46	47.5	50	B17N46		10/20/2003	222-S					28600	µg/kg	U		87600	µg/kg			12100	µg/kg		
299-W15-46	47.5	50	B17N46-B		10/20/2003	STLSL																
299-W15-46	49.5	50	B17RM5		10/20/2003	FIELD																
299-W15-46	49.5	50	B17RM6	R	10/20/2003	FIELD																
299-W15-46	49.5	50	B17RM7	R	10/21/2003	FIELD																
299-W15-46	49.5	50	B17RM8		10/21/2003	FIELD																
299-W15-46	49.5	50	B18CX0	R	10/20/2003	FIELD																
299-W15-46	49.5	50	B18CX1	R	10/21/2003	FIELD																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003	FIELD																
299-W15-46	58.5	59.5	B17RN1		10/27/2003	FIELD																
299-W15-46	58.5	59.5	B17RN2		10/27/2003	FIELD																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003	FIELD																
299-W15-46	65	66	B17RN3	R	10/31/2003	FIELD																
299-W15-46	65	66	B17RN4	R	10/31/2003	FIELD																
299-W15-46	65	66	B17RN5		10/31/2003	FIELD																
299-W15-46	65	66	B17RN6		10/31/2003	FIELD																
299-W15-46	63.5	66	B17TM6		10/29/2003	222-S					22100	µg/kg	U		369000	µg/kg			10900	µg/kg	U	
299-W15-46	63.5	66	B17TM6-B		10/29/2003	STLSL																
299-W15-46	65	66	B17X85		11/4/2003	FIELD																
299-W15-46	65	66	B17X86	R	11/4/2003	FIELD																
299-W15-46	65	66	B17X87	R	11/4/2003	FIELD																
299-W15-46	66	67.5	B17X96		3/15/2004	FIELD																
299-W15-46	66	67.5	B17X97	R	3/15/2004	FIELD																
299-W15-46	66	67	B17X90		11/10/2003	FIELD																
299-W15-46	66	67	B17X91		11/10/2003	FIELD																
299-W15-46	66	67	B17X92	R	11/10/2003	FIELD																
299-W15-46	66	67	B17X93	R	11/10/2003	FIELD																
299-W15-46	66	67.5	B17X98	R	3/15/2004	FIELD																
299-W15-46	81	82	B17XB1		3/22/2004	FIELD																
299-W15-46	81	82	B17XB2	R	3/22/2004	FIELD																
299-W15-46	81	82	B17XB3	R	3/22/2004	FIELD																
299-W15-46	90	92.5	B17N52		3/23/2004	RLNP	7050	µg/kg							1550000	µg/kg			2060	µg/kg		
299-W15-46	90	92.5	B17XB6		3/23/2004	FIELD																
299-W15-46	90	92.5	B17XB7	R	3/23/2004	FIELD																
299-W15-46	90	92.5	B17XB8	R	3/23/2004	FIELD																
299-W15-46	110	112	B17XB9		4/12/2004	FIELD																

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Ammonia (7664-41-7) 350.3				Ammonium ion (14798-03-9) 300.7				Nitrate (14797-55-8) 300				Nitrite (14797-65-0) 300			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	110	112	B17XC0	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC1	R	4/12/2004	FIELD																
299-W15-46	110	112	B17XC3		4/12/2004	FIELD																
299-W15-46	109.5	112	B18XR8		4/8/2004	222-S					192000	µg/kg			5910000	µg/kg			224000	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004	RLNP									5580000	µg/kg	D	J	2240	µg/kg		J
299-W15-46	117	119.5	B17N60		4/21/2004	WSCF					18000	µg/kg	E		153000	µg/kg			3120	µg/kg	U	
299-W15-46	118	119.5	B17XC4		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC5		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC6		4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC7	R	4/22/2004	FIELD																
299-W15-46	118	119.5	B17XC8	R	4/22/2004	FIELD																
299-W15-46	119.5	122	B17N63		5/3/2004	WSCF					10200	µg/kg	E		143000	µg/kg			3180	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004	RLNP									2280000	µg/kg	D		1420	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD0		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD1		5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD2	R	5/3/2004	FIELD																
299-W15-46	119.5	122	B17XD3	R	5/3/2004	FIELD																
299-W15-46	141	143	B17XD4		8/16/2004	FIELD																
299-W15-46	141	143	B17XD5		8/16/2004	FIELD																
299-W15-46	141	143	B17XD6		8/16/2004	FIELD																
299-W15-46	141	143	B17XD7	R	8/16/2004	FIELD																
299-W15-46	141	143	B17XD8	R	8/16/2004	FIELD																
299-W15-46	159	160	B17XD9		8/19/2004	FIELD																
299-W15-46	159	160	B17XF0	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF1	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF2	R	8/19/2004	FIELD																
299-W15-46	159	160	B17XF3	R	8/19/2004	FIELD																
299-W15-46	174	176.5	B17N67		8/23/2004	WSCF					2110	µg/kg	B		83700	µg/kg			3120	µg/kg	U	
299-W15-46	174	176.5	B17N69		8/23/2004	RLNP																
299-W15-46	184	186.3	B1B7J7		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7J8		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7J9		8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004	FIELD																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004	FIELD																
299-W15-46	184	186.5	B17N70		8/25/2004	WSCF					1170	µg/kg	B		95600	µg/kg			3120	µg/kg	U	
299-W15-46	184	186.5	B17N72		8/25/2004	RLNP																

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Ammonia (7664-41-7)				Ammonium ion (14798-03-9)				Nitrate (14797-55-8)				Nitrite (14797-65-0)			
							350.3				300.7				300				300			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	223	224	B1B7J2		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J3		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J4		9/9/2004	FIELD																
299-W15-46	223	224	B1B7J5	R	9/9/2004	FIELD																
299-W15-46	223	224	B1B7J6	R	9/9/2004	FIELD																
299-W15-46	224	226.5	B17N73		9/9/2004	WSCF					1000	µg/kg	B		28900	µg/kg			3120	µg/kg	U	
299-W15-46	224	226.5	B17NL3		9/9/2004	RLNP																
299-W15-46	226.5	229	B17NL5		9/9/2004	WSCF					923	µg/kg	B		54400	µg/kg	B		3120	µg/kg	U	
299-W15-46	226.5	229	B17NL7		9/9/2004	RLNP																
			B17MM8	EB	9/23/2003	WSCF					5.15	µg/L	B		57.5	µg/L	U		62.4	µg/L	U	
			B17MM9	EB	9/23/2003	RLNP																
					TQL (µg/kg)		500				500				2500				2500			

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Nitrogen in nitrite and nitrate (NO2+NO3-N) 353.1				Nitrogen in nitrite and nitrate (NO2+NO3-N) 353.2				Alkalinity (ALKALINITY) 310.1				Chloride (16887-00-6) 300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003													9060	µg/kg		
299-W15-46	47.5	50	B17N46-B		10/20/2003	9600	µg/kg														
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003																
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003													51400	µg/kg		
299-W15-46	63.5	66	B17TM6-B		10/29/2003	10800	µg/kg														
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004					384000	µg/kg							27700	µg/kg		
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Nitrogen in nitrite and nitrate (NO2+NO3-N) 353.1				Nitrogen in nitrite and nitrate (NO2+NO3-N) 353.2				Alkalinity (ALKALINITY) 310.1				Chloride (16887-00-6) 300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004													39700	µg/kg		
299-W15-46	115	117.5	B191Y4		4/15/2004							J						43000	µg/kg		J
299-W15-46	117	119.5	B17N60		4/21/2004													13000	µg/kg		
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004													19300	µg/kg		
299-W15-46	119.5	122	B17N65		5/3/2004					432000	µg/kg	D						18200	µg/kg		
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004													5030	µg/kg	B	
299-W15-46	174	176.5	B17N69		8/23/2004					21200	µg/kg										
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004													5130	µg/kg	B	
299-W15-46	184	186.5	B17N72		8/25/2004					22100	µg/kg										

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Nitrogen in nitrite and nitrate (NO2+NO3-N) 353.1				Nitrogen in nitrite and nitrate (NO2+NO3-N) 353.2				Alkalinity (ALKALINITY) 310.1				Chloride (16887-00-6) 300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004													3300	µg/kg	B	
299-W15-46	224	226.5	B17NL3		9/9/2004					8100	µg/kg										
299-W15-46	226.5	229	B17NL5		9/9/2004													4640	µg/kg	B	
299-W15-46	226.5	229	B17NL7		9/9/2004					7500	µg/kg										
			B17MM8	EB	9/23/2003													92	µg/L	B	
			B17MM9	EB	9/23/2003					20	µg/L	U		500	µg/L	U					
					TQL (µg/kg	750				750				Not listed				2000			

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Cyanide (57-12-5) 335.2				Cyanide (57-12-5) 9010				Fluoride (16984-48-8) 300				Phosphate (14265-44-2) 300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003																
299-W15-46	47.5	50	B17N46		10/20/2003					624	µg/kg	U		7050	µg/kg			12100	µg/kg	U	
299-W15-46	47.5	50	B17N46-B		10/20/2003																
299-W15-46	49.5	50	B17RM5		10/20/2003																
299-W15-46	49.5	50	B17RM6	R	10/20/2003																
299-W15-46	49.5	50	B17RM7	R	10/21/2003																
299-W15-46	49.5	50	B17RM8		10/21/2003																
299-W15-46	49.5	50	B18CX0	R	10/20/2003																
299-W15-46	49.5	50	B18CX1	R	10/21/2003																
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003																
299-W15-46	58.5	59.5	B17RN1		10/27/2003			J													
299-W15-46	58.5	59.5	B17RN2		10/27/2003																
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003																
299-W15-46	65	66	B17RN3	R	10/31/2003																
299-W15-46	65	66	B17RN4	R	10/31/2003																
299-W15-46	65	66	B17RN5		10/31/2003																
299-W15-46	65	66	B17RN6		10/31/2003																
299-W15-46	63.5	66	B17TM6		10/29/2003					477	µg/kg	U		3020	µg/kg			12100	µg/kg	U	
299-W15-46	63.5	66	B17TM6-B		10/29/2003																
299-W15-46	65	66	B17X85		11/4/2003																
299-W15-46	65	66	B17X86	R	11/4/2003																
299-W15-46	65	66	B17X87	R	11/4/2003																
299-W15-46	66	67.5	B17X96		3/15/2004																
299-W15-46	66	67.5	B17X97	R	3/15/2004																
299-W15-46	66	67	B17X90		11/10/2003																
299-W15-46	66	67	B17X91		11/10/2003																
299-W15-46	66	67	B17X92	R	11/10/2003																
299-W15-46	66	67	B17X93	R	11/10/2003																
299-W15-46	66	67.5	B17X98	R	3/15/2004																
299-W15-46	81	82	B17XB1		3/22/2004																
299-W15-46	81	82	B17XB2	R	3/22/2004																
299-W15-46	81	82	B17XB3	R	3/22/2004																
299-W15-46	90	92.5	B17N52		3/23/2004					480	µg/kg	U		7800	µg/kg			1300	µg/kg	U	
299-W15-46	90	92.5	B17XB6		3/23/2004																
299-W15-46	90	92.5	B17XB7	R	3/23/2004																
299-W15-46	90	92.5	B17XB8	R	3/23/2004																
299-W15-46	110	112	B17XB9		4/12/2004																

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Cyanide (57-12-5) 335.2				Cyanide (57-12-5) 9010				Fluoride (16984-48-8) 300				Phosphate (14265-44-2) 300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	110	112	B17XC0	R	4/12/2004																
299-W15-46	110	112	B17XC1	R	4/12/2004																
299-W15-46	110	112	B17XC3		4/12/2004																
299-W15-46	109.5	112	B18XR8		4/8/2004					451	µg/kg	U		24900	µg/kg	U		249000	µg/kg	U	
299-W15-46	115	117.5	B191Y4		4/15/2004									2400	µg/kg		J	1200	µg/kg	U	UJ
299-W15-46	117	119.5	B17N60		4/21/2004	200	µg/kg	U						3720	µg/kg			8280	µg/kg	UE	
299-W15-46	118	119.5	B17XC4		4/22/2004																
299-W15-46	118	119.5	B17XC5		4/22/2004																
299-W15-46	118	119.5	B17XC6		4/22/2004																
299-W15-46	118	119.5	B17XC7	R	4/22/2004																
299-W15-46	118	119.5	B17XC8	R	4/22/2004																
299-W15-46	119.5	122	B17N63		5/3/2004	200	µg/kg	U						5420	µg/kg			8430	µg/kg	U	
299-W15-46	119.5	122	B17N65		5/3/2004									6800	µg/kg			1400	µg/kg	U	
299-W15-46	119.5	122	B17XC9		5/3/2004																
299-W15-46	119.5	122	B17XD0		5/3/2004																
299-W15-46	119.5	122	B17XD1		5/3/2004																
299-W15-46	119.5	122	B17XD2	R	5/3/2004																
299-W15-46	119.5	122	B17XD3	R	5/3/2004																
299-W15-46	141	143	B17XD4		8/16/2004																
299-W15-46	141	143	B17XD5		8/16/2004																
299-W15-46	141	143	B17XD6		8/16/2004																
299-W15-46	141	143	B17XD7	R	8/16/2004																
299-W15-46	141	143	B17XD8	R	8/16/2004																
299-W15-46	159	160	B17XD9		8/19/2004																
299-W15-46	159	160	B17XF0	R	8/19/2004																
299-W15-46	159	160	B17XF1	R	8/19/2004																
299-W15-46	159	160	B17XF2	R	8/19/2004																
299-W15-46	159	160	B17XF3	R	8/19/2004																
299-W15-46	174	176.5	B17N67		8/23/2004	200	µg/kg	U						1150	µg/kg	U		8280	µg/kg	U	
299-W15-46	174	176.5	B17N69		8/23/2004																
299-W15-46	184	186.3	B1B7J7		8/25/2004																
299-W15-46	184	186.3	B1B7J8		8/25/2004																
299-W15-46	184	186.3	B1B7J9		8/25/2004																
299-W15-46	184	186.3	B1B7K0	R	8/25/2004																
299-W15-46	184	186.3	B1B7K1	R	8/25/2004																
299-W15-46	184	186.5	B17N70		8/25/2004	200	µg/kg	U						1150	µg/kg	U		8280	µg/kg	U	
299-W15-46	184	186.5	B17N72		8/25/2004																

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Cyanide (57-12-5)				Cyanide (57-12-5)				Fluoride (16984-48-8)				Phosphate (14265-44-2)			
						335.2				9010				300				300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	223	224	B1B7J2		9/9/2004																
299-W15-46	223	224	B1B7J3		9/9/2004																
299-W15-46	223	224	B1B7J4		9/9/2004																
299-W15-46	223	224	B1B7J5	R	9/9/2004																
299-W15-46	223	224	B1B7J6	R	9/9/2004																
299-W15-46	224	226.5	B17N73		9/9/2004	200	µg/kg	U						1150	µg/kg	U		8280	µg/kg	U	
299-W15-46	224	226.5	B17NL3		9/9/2004																
299-W15-46	226.5	229	B17NL5		9/9/2004	200	µg/kg	U						1150	µg/kg	U		8280	µg/kg	U	
299-W15-46	226.5	229	B17NL7		9/9/2004																
			B17MM8	EB	9/23/2003	4	µg/L	U						23	µg/L	U		166	µg/L	U	
			B17MM9	EB	9/23/2003																
					TQL (µg/kg	N/A				N/A				5000				5000			

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Sulfate (14808-79-8)				Sulfide (18496-25-8)				Water (vapor) (7732-18-5)			
						300				9030				PAA			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	28.5	29.5	B17RM4		10/13/2003									9640	PPM(V/V)		
299-W15-46	47.5	50	B17N46		10/20/2003	170000	µg/kg			10600	µg/kg	U					
299-W15-46	47.5	50	B17N46-B		10/20/2003												
299-W15-46	49.5	50	B17RM5		10/20/2003									12000	PPM(V/V)		
299-W15-46	49.5	50	B17RM6	R	10/20/2003									12300	PPM(V/V)		
299-W15-46	49.5	50	B17RM7	R	10/21/2003									9430	PPM(V/V)		
299-W15-46	49.5	50	B17RM8		10/21/2003									9450	PPM(V/V)		
299-W15-46	49.5	50	B18CX0	R	10/20/2003									12300	PPM(V/V)		
299-W15-46	49.5	50	B18CX1	R	10/21/2003									9510	PPM(V/V)		
299-W15-46	58.5	59.5	B17RN0	R	10/27/2003									5830	PPM(V/V)		
299-W15-46	58.5	59.5	B17RN1		10/27/2003									5560	PPM(V/V)		
299-W15-46	58.5	59.5	B17RN2		10/27/2003									5600	PPM(V/V)		
299-W15-46	58.5	59.5	B18CX3	R	10/27/2003									5850	PPM(V/V)		
299-W15-46	65	66	B17RN3	R	10/31/2003									2310	PPM(V/V)		
299-W15-46	65	66	B17RN4	R	10/31/2003									2310	PPM(V/V)		
299-W15-46	65	66	B17RN5		10/31/2003									2310	PPM(V/V)		
299-W15-46	65	66	B17RN6		10/31/2003									2290	PPM(V/V)		
299-W15-46	63.5	66	B17TM6		10/29/2003	456000	µg/kg			10600	µg/kg	U					
299-W15-46	63.5	66	B17TM6-B		10/29/2003												
299-W15-46	65	66	B17X85		11/4/2003									3410	PPM(V/V)		
299-W15-46	65	66	B17X86	R	11/4/2003									3450	PPM(V/V)		
299-W15-46	65	66	B17X87	R	11/4/2003									3480	PPM(V/V)		
299-W15-46	66	67.5	B17X96		3/15/2004									5690	PPM(V/V)		
299-W15-46	66	67.5	B17X97	R	3/15/2004									5640	PPM(V/V)		
299-W15-46	66	67	B17X90		11/10/2003									5980	PPM(V/V)		
299-W15-46	66	67	B17X91		11/10/2003									6060	PPM(V/V)		
299-W15-46	66	67	B17X92	R	11/10/2003									6230	PPM(V/V)		
299-W15-46	66	67	B17X93	R	11/10/2003									6240	PPM(V/V)		
299-W15-46	66	67.5	B17X98	R	3/15/2004									5650	PPM(V/V)		
299-W15-46	81	82	B17XB1		3/22/2004									6300	PPM(V/V)		
299-W15-46	81	82	B17XB2	R	3/22/2004									6410	PPM(V/V)		
299-W15-46	81	82	B17XB3	R	3/22/2004									6400	PPM(V/V)		
299-W15-46	90	92.5	B17N52		3/23/2004	8100	µg/kg			20600	µg/kg	U					
299-W15-46	90	92.5	B17XB6		3/23/2004									8220	PPM(V/V)		
299-W15-46	90	92.5	B17XB7	R	3/23/2004									8320	PPM(V/V)		
299-W15-46	90	92.5	B17XB8	R	3/23/2004									8290	PPM(V/V)		
299-W15-46	110	112	B17XB9		4/12/2004									9340	PPM(V/V)		

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Sulfate (14808-79-8)				Sulfide (18496-25-8)				Water (vapor) (7732-18-5)			
						300				9030				PAA			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	110	112	B17XC0	R	4/12/2004									9500	PPM(V/V)		
299-W15-46	110	112	B17XC1	R	4/12/2004									9760	PPM(V/V)		
299-W15-46	110	112	B17XC3		4/12/2004									9990	PPM(V/V)		
299-W15-46	109.5	112	B18XR8		4/8/2004	287000	µg/kg	U		14600	µg/kg	U					
299-W15-46	115	117.5	B191Y4		4/15/2004	1200	µg/kg	U	UJ			J					
299-W15-46	117	119.5	B17N60		4/21/2004	11300	µg/kg										
299-W15-46	118	119.5	B17XC4		4/22/2004									9240	PPM(V/V)		
299-W15-46	118	119.5	B17XC5		4/22/2004									9510	PPM(V/V)		
299-W15-46	118	119.5	B17XC6		4/22/2004									9760	PPM(V/V)		
299-W15-46	118	119.5	B17XC7	R	4/22/2004									9700	PPM(V/V)		
299-W15-46	118	119.5	B17XC8	R	4/22/2004									9710	PPM(V/V)		
299-W15-46	119.5	122	B17N63		5/3/2004	34200	µg/kg										
299-W15-46	119.5	122	B17N65		5/3/2004	39700	µg/kg			23100	µg/kg	U					
299-W15-46	119.5	122	B17XC9		5/3/2004									11600	PPM(V/V)		
299-W15-46	119.5	122	B17XD0		5/3/2004									10900	PPM(V/V)		
299-W15-46	119.5	122	B17XD1		5/3/2004									11100	PPM(V/V)		
299-W15-46	119.5	122	B17XD2	R	5/3/2004									11100	PPM(V/V)		
299-W15-46	119.5	122	B17XD3	R	5/3/2004									11100	PPM(V/V)		
299-W15-46	141	143	B17XD4		8/16/2004									13700	PPM(V/V)		
299-W15-46	141	143	B17XD5		8/16/2004									13900	PPM(V/V)		
299-W15-46	141	143	B17XD6		8/16/2004									13900	PPM(V/V)		
299-W15-46	141	143	B17XD7	R	8/16/2004									13900	PPM(V/V)		
299-W15-46	141	143	B17XD8	R	8/16/2004									13800	PPM(V/V)		
299-W15-46	159	160	B17XD9		8/19/2004									10900	PPM(V/V)		
299-W15-46	159	160	B17XF0	R	8/19/2004									10800	PPM(V/V)		
299-W15-46	159	160	B17XF1	R	8/19/2004									10800	PPM(V/V)		
299-W15-46	159	160	B17XF2	R	8/19/2004									11100	PPM(V/V)		
299-W15-46	159	160	B17XF3	R	8/19/2004									11100	PPM(V/V)		
299-W15-46	174	176.5	B17N67		8/23/2004	17500	µg/kg	B									
299-W15-46	174	176.5	B17N69		8/23/2004					69300	µg/kg						
299-W15-46	184	186.3	B1B7J7		8/25/2004									15300	PPM(V/V)		
299-W15-46	184	186.3	B1B7J8		8/25/2004									16400	PPM(V/V)		
299-W15-46	184	186.3	B1B7J9		8/25/2004									16800	PPM(V/V)		
299-W15-46	184	186.3	B1B7K0	R	8/25/2004									16900	PPM(V/V)		
299-W15-46	184	186.3	B1B7K1	R	8/25/2004									16800	PPM(V/V)		
299-W15-46	184	186.5	B17N70		8/25/2004	10200	µg/kg	B									
299-W15-46	184	186.5	B17N72		8/25/2004					38700	µg/kg	U					

Table B-7. Wet Chemistry Analysis Results for Vertical Borehole C3426 (216-Z-9 Trench, 299-W15-46) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Sulfate (14808-79-8)				Sulfide (18496-25-8)				Water (vapor) (7732-18-5)			
						300				9030				PAA			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-46	223	224	B1B7J2		9/9/2004									11200	PPM(V/V)		
299-W15-46	223	224	B1B7J3		9/9/2004									12100	PPM(V/V)		
299-W15-46	223	224	B1B7J4		9/9/2004									12100	PPM(V/V)		
299-W15-46	223	224	B1B7J5	R	9/9/2004									12500	PPM(V/V)		
299-W15-46	223	224	B1B7J6	R	9/9/2004									12400	PPM(V/V)		
299-W15-46	224	226.5	B17N73		9/9/2004	11200	µg/kg	B									
299-W15-46	224	226.5	B17NL3		9/9/2004					50500	µg/kg	U					
299-W15-46	226.5	229	B17NL5		9/9/2004	5000	µg/kg	U									
299-W15-46	226.5	229	B17NL7		9/9/2004					54800	µg/kg	U					
			B17MM8	EB	9/23/2003	100	µg/L	U									
			B17MM9	EB	9/23/2003					1000	µg/L	U					
					TQL (µg/kg	5000				N/A				Not listed			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Aluminum (7429-90-5)				Antimony (7440-36-0)				Arsenic (7440-38-2)				Barium (7440-39-3)			
							6010				6010				6010				6010			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL	6650000	µg/kg			700	µg/kg	B		5600	µg/kg			37300	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	STLSL	7380000	µg/kg			730	µg/kg	B		4300	µg/kg			49300	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006	STLSL	7700000	µg/kg			760	µg/kg	B		4200	µg/kg			55900	µg/kg		
299-W15-48	100	102	B1HK52		4/4/2006	STLSL	12100000	µg/kg			1100	µg/kg			6900	µg/kg			53100	µg/kg		
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL	10600000	µg/kg			500	µg/kg	B		5500	µg/kg			44200	µg/kg		
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL	10100000	µg/kg			740	µg/kg	B		5400	µg/kg			41700	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL	13000000	µg/kg			880	µg/kg	B		6200	µg/kg			77100	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006	STLSL																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF	12600000	µg/kg			2470	µg/kg	U		3000	µg/kg			66100	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF	7150000	µg/kg			2340	µg/kg	U		2050	µg/kg	U		51900	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	STLSL																
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF	6080000	µg/kg			2470	µg/kg	U		8400	µg/kg	C		109000	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006	STLSL																
299-W15-48	135	140	B1HK77	S	5/3/2006	STLSL																
299-W15-48	135	140	B1HK77	S	5/3/2006	WSCF	6670000	µg/kg			2520	µg/kg	U		4390	µg/kg	C		77100	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006	RLNP																
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL	8210000	µg/kg			2400	µg/kg			3300	µg/kg			108000	µg/kg		
			B1HKY0	EB	4/19/2006	WSCF	34.1	µg/L	C		36.8	µg/L	C		22	µg/L	U		4.2	µg/L		
					TQL (µg/kg)		N/A				N/A				10000				N/A			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Beryllium (7440-41-7)				Bismuth (7440-69-9)				Cadmium (7440-43-9)				Calcium (7440-70-2)			
						6010				6010				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	310	µg/kg	B		53600	µg/kg			1200	µg/kg			2330000	µg/kg	C	
299-W15-48	67	69	B1HK27		3/20/2006	320	µg/kg	B		99600	µg/kg			3300	µg/kg			2240000	µg/kg	C	
299-W15-48	70	72	B1HK32		3/22/2006	310	µg/kg	B		95700	µg/kg			8200	µg/kg			3110000	µg/kg	C	
299-W15-48	100	102	B1HK52		4/4/2006	380	µg/kg	B		97900	µg/kg			6200	µg/kg			2790000	µg/kg	C	
299-W15-48	103	105	B1HK47	R	4/6/2006	330	µg/kg	B		86500	µg/kg			5400	µg/kg			2650000	µg/kg	C	
299-W15-48	103	105	B1HL22	R	4/6/2006	350	µg/kg	B		87800	µg/kg			5200	µg/kg			2560000	µg/kg	C	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	440	µg/kg	B		103000	µg/kg			30200	µg/kg			5320000	µg/kg	C	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	523	µg/kg			2170	µg/kg	U		118000	µg/kg			13200000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	226	µg/kg			2050	µg/kg	U		465	µg/kg			15200000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006	130	µg/kg			2170	µg/kg	U		99	µg/kg	U		209000000	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006	216	µg/kg			2220	µg/kg	U		145	µg/kg			14700000	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006	680	µg/kg			156000	µg/kg			140	µg/kg	U		17300000	µg/kg	C	
			B1HKY0	EB	4/19/2006	0.5	µg/L	U		33.6	µg/L			0.6	µg/L	U		111	µg/L		
					TQL (µg/kg)	N/A				N/A				500				N/A			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chromium (7440-47-3)				Cobalt (7440-48-4)				Copper (7440-50-8)				Hexavalent chromium (18540-29-9)			
						6010				6010				6010				7196			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	22800	µg/kg			7600	µg/kg			15300	µg/kg			450	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	15200	µg/kg			6700	µg/kg			11800	µg/kg			160	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	14900	µg/kg			7800	µg/kg			9100	µg/kg			160	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	20200	µg/kg			9400	µg/kg			12800	µg/kg			160	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	16100	µg/kg			8100	µg/kg			11000	µg/kg			160	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	15200	µg/kg			7600	µg/kg			10500	µg/kg			160	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	18700	µg/kg			8700	µg/kg			13300	µg/kg			160	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006													180	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	14800	µg/kg			9290	µg/kg			19900	µg/kg						
299-W15-48	128.5	130.5	B1HK62		4/24/2006	15200	µg/kg			6270	µg/kg			12900	µg/kg						
299-W15-48	128.5	130.5	B1HK62		4/24/2006													180	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	6650	µg/kg			5190	µg/kg			16900	µg/kg						
299-W15-48	131.5	133	B1HK67		4/27/2006													170	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006													150	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	9060	µg/kg			10600	µg/kg			18700	µg/kg						
299-W15-48	135	140	B1HL26	S	5/3/2006													220	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006	15900	µg/kg			13600	µg/kg			15600	µg/kg						
			B1HKY0	EB	4/19/2006	11.5	µg/L	C		1.2	µg/L	U		13.8	µg/L	C		2	µg/L	U	
					TQL (µg/kg)	1000				N/A				2500				500			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Iron (7439-89-6) 6010				Lead (7439-92-1) 6010				Lithium (7439-93-2) 6010				Magnesium (7439-95-4) 6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	15100000	µg/kg	C		5000	µg/kg			8800	µg/kg			3710000	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	16500000	µg/kg			4600	µg/kg			8800	µg/kg			3880000	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006	16300000	µg/kg			5400	µg/kg			10800	µg/kg			4350000	µg/kg		
299-W15-48	100	102	B1HK52		4/4/2006	16200000	µg/kg	C		6700	µg/kg			15200	µg/kg			5140000	µg/kg		
299-W15-48	103	105	B1HK47	R	4/6/2006	14400000	µg/kg	C		4500	µg/kg			13000	µg/kg			4600000	µg/kg		
299-W15-48	103	105	B1HL22	R	4/6/2006	14500000	µg/kg	C		4800	µg/kg			12700	µg/kg			4450000	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006	17600000	µg/kg			5200	µg/kg			13900	µg/kg			5510000	µg/kg	C	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	20800000	µg/kg			17000	µg/kg			16100	µg/kg			7140000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	15600000	µg/kg			6470	µg/kg			12000	µg/kg			5670000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006	9230000	µg/kg			2390	µg/kg			15600	µg/kg			7900000	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006	20600000	µg/kg			3860	µg/kg			5280	µg/kg			3940000	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006	24000000	µg/kg			2800	µg/kg			9900	µg/kg			4930000	µg/kg		
			B1HKY0	EB	4/19/2006	21	µg/L	U		26.3	µg/L	C		3	µg/L			19	µg/L	U	
					TQL (µg/kg)	N/A				10000				N/A				N/A			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Manganese (7439-96-5) 6010				Mercury (7439-97-6) 200.8				Mercury (7439-97-6) 7471				Nickel (7440-02-0) 6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	170000	µg/kg							81.3	µg/kg			15400	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	196000	µg/kg							180	µg/kg			20000	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006	245000	µg/kg							152	µg/kg			14200	µg/kg		
299-W15-48	100	102	B1HK52		4/4/2006	288000	µg/kg							799	µg/kg			23300	µg/kg		
299-W15-48	103	105	B1HK47	R	4/6/2006	244000	µg/kg							217	µg/kg			19900	µg/kg		
299-W15-48	103	105	B1HL22	R	4/6/2006	232000	µg/kg							210	µg/kg			18700	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006	321000	µg/kg							43.9	µg/kg			21000	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	508000	µg/kg	E		78	µg/kg	C						15700	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	304000	µg/kg	E		47	µg/kg	C						13200	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006	234000	µg/kg			84	µg/kg	C						7380	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006	248000	µg/kg			65	µg/kg	C						5670	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006	324000	µg/kg							40.5	µg/kg			11200	µg/kg		
			B1HKY0	EB	4/19/2006	1.4	µg/L			0.04	µg/L	U						1.4	µg/L	U	
					TQL (µg/kg)	N/A				200				200				4000			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Phosphorus (7723-14-0)				Potassium (7440-09-7)				Selenium (7782-49-2)			
						6010				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	533000	µg/kg			826000	µg/kg			310	µg/kg	B	
299-W15-48	67	69	B1HK27		3/20/2006	621000	µg/kg			828000	µg/kg	C		630	µg/kg	B	
299-W15-48	70	72	B1HK32		3/22/2006	897000	µg/kg			1360000	µg/kg	C		660	µg/kg	B	
299-W15-48	100	102	B1HK52		4/4/2006	704000	µg/kg			1850000	µg/kg			370	µg/kg	B	
299-W15-48	103	105	B1HK47	R	4/6/2006	637000	µg/kg			1450000	µg/kg			570	µg/kg	B	
299-W15-48	103	105	B1HL22	R	4/6/2006	628000	µg/kg			1350000	µg/kg			280	µg/kg	B	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	636000	µg/kg			1660000	µg/kg	C		550	µg/kg	B	
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006	927000	µg/kg	C		1990000	µg/kg			1780	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	1220000	µg/kg	C		1270000	µg/kg			1680	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	131.5	133	B1HK67		4/27/2006	426000	µg/kg			530000	µg/kg			2930	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006	778000	µg/kg			804000	µg/kg			1820	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006	798000	µg/kg			851000	µg/kg			180	µg/kg	U	
			B1HKY0	EB	4/19/2006	48	µg/L	U		110	µg/L	U		18	µg/L	U	
					TQL (µg/kg)	10000				N/A				10000			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Silver (7440-22-4)				Sodium (7440-23-5)				Strontium (7440-24-6)			
						6010				6010				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	200	µg/kg	U		154000	µg/kg			18300	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	210	µg/kg	U		144000	µg/kg			19600	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006	210	µg/kg	U		169000	µg/kg			15900	µg/kg		
299-W15-48	100	102	B1HK52		4/4/2006	210	µg/kg	U		1330000	µg/kg	C		18600	µg/kg		
299-W15-48	103	105	B1HK47	R	4/6/2006	210	µg/kg	U		1110000	µg/kg	C		18600	µg/kg		
299-W15-48	103	105	B1HL22	R	4/6/2006	210	µg/kg	U		1090000	µg/kg	C		16100	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006	210	µg/kg	U		242000	µg/kg	C		29500	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006	197	µg/kg	U		1950000	µg/kg	U		30000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	565	µg/kg			270000	µg/kg	E		37900	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	131.5	133	B1HK67		4/27/2006	638	µg/kg			395000	µg/kg	E		264000	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006	1230	µg/kg			791000	µg/kg	E		45600	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006	210	µg/kg	U		1160000	µg/kg	C		56600	µg/kg		
			B1HKY0	EB	4/19/2006	1.8	µg/L	U		200	µg/L	U		1.3	µg/L	U	
					TQL (µg/kg)	2000				N/A				N/A			

Table B-8. Metal Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (8 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Uranium (7440-61-1) 200.8				Vanadium (7440-62-2) 6010				Zinc (7440-66-6) 6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006					26400	µg/kg			35600	µg/kg	C	
299-W15-48	67	69	B1HK27		3/20/2006					31500	µg/kg			39200	µg/kg	C	
299-W15-48	70	72	B1HK32		3/22/2006					27300	µg/kg			35600	µg/kg	C	
299-W15-48	100	102	B1HK52		4/4/2006					30400	µg/kg			40500	µg/kg	C	
299-W15-48	103	105	B1HK47	R	4/6/2006					26500	µg/kg			35000	µg/kg	C	
299-W15-48	103	105	B1HL22	R	4/6/2006					26000	µg/kg			33800	µg/kg	C	
299-W15-48	118.5	120.5	B1HK42		4/13/2006					33900	µg/kg			37200	µg/kg	C	
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006					32700	µg/kg			83700	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006					22200	µg/kg			58000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	131.5	133	B1HK67		4/27/2006					25900	µg/kg			59400	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006					62100	µg/kg			84000	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006					71400	µg/kg			41900	µg/kg		
			B1HKY0	EB	4/19/2006	0.02	µg/L	U		2.9	µg/L	U		208	µg/L		
					TQL (µg/kg)	N/A				N/A				N/A			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	2-(2-methyl-4-chlorophenoxy) propionic acid (93-65-2)				2,4,5-T(2,4,5-Trichlorophenoxy acetic acid) (93-76-5)				2,4,5-TP(2-(2,4,5-Trichlorophenoxy) propionic acid) silvex (93-72-1)				2,4-D(2,4-Dichlorophenoxy acetic acid) (94-75-7)			
							8151				8151				8151				8151			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	STLSL	1300	µg/kg	U		5.3	µg/kg	U		3.5	µg/kg	U		31	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL																
299-W15-48	67	69	B1HK27		3/20/2006	STLSL																
299-W15-48	70	72	B1HK32		3/22/2006	STLSL																
299-W15-48	100	102	B1HK52		4/4/2006	SHAW																
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL																
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	SHAW																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	SHAW																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF																
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF																
299-W15-48	131.5	133	B1HK67		4/27/2006	SHAW																
299-W15-48	135	140	B1HK77	S	5/3/2006	RLNP																
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL																
			B1HKY0	EB	4/19/2006	WSCF																
			B1HKY0	EB	4/19/2006	STLSL	59	µg/L	U		0.17	µg/L	U		0.15	µg/L	U		1.3	µg/L	U	
					TQL (µg/kg)		Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2,4-DB(4-(2,4-Dichlorophenoxy) butanoic acid) (94-82-6)				2-Methyl-4 chlorophenoxy acetic acid (94-74-6)				4,4"-DDD (Dichlorodiphenyl dichloroethane) (72-54-8)				4,4"-DDE (Dichlorodiphenyl dichloroethylene) (72-55-9)			
						8151				8151				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	26	µg/kg	U		830	µg/kg	U		0.1	µg/kg	U		0.41	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																
			B1HKY0	EB	4/19/2006	1.5	µg/L	U		150	µg/L	U		0.003	µg/L	U		0.006	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	4,4"-DDT (Dichlorodiphenyl trichloroethane) (50-29-3)				Aldrin (309-00-2)				Alpha-BHC (319-84-6)				Alpha-chlordane (5103-71-9)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	0.21	µg/kg	U		0.11	µg/kg	U		0.65	µg/kg	U					
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																
			B1HKY0	EB	4/19/2006	0.01	µg/L	U		0.005	µg/L	U		0.004	µg/L	U		0.006	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Aroclor-1016 (12674-11-2)				Aroclor-1221 (11104-28-2)				Aroclor-1232 (11141-16-5)				Aroclor-1242 (53469-21-9)			
						8082				8082				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006																
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	6.4	µg/kg	U		6.4	µg/kg	U		6.4	µg/kg	U		6.4	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006	6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	6.7	µg/kg	U		6.7	µg/kg	U		6.7	µg/kg	U		6.7	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	6.7	µg/kg	U		6.7	µg/kg	U		6.7	µg/kg	U		6.7	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	12	µg/kg	U		23	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	12	µg/kg	U		25	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	11	µg/kg	U		23	µg/kg	U		11	µg/kg	U		11	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006	140	µg/kg	U		140	µg/kg	U		140	µg/kg	U		140	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U		6.5	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.098	µg/L	U		0.2	µg/L	U		0.098	µg/L	U		0.098	µg/L	U	
			B1HKY0	EB	4/19/2006																
					TQL (µg/kg)	16.5				16.5				16.5				16.5			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Aroclor-1248 (12672-29-6)				Aroclor-1254 (11097-69-1)				Aroclor-1260 (11096-82-5)				Aroclor-1262 (37324-23-5)			
						8082				8082				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006																
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	6.4	µg/kg	U		4	µg/kg	U		4	µg/kg	U		4	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	270	µg/kg			4	µg/kg	U		4	µg/kg	U		4	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	1300	µg/kg			4	µg/kg	U		4	µg/kg	U		4	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006	6.5	µg/kg	U		4	µg/kg	U		4	µg/kg	U		4	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	6.7	µg/kg	U		4.1	µg/kg	U		4.1	µg/kg	U		4.1	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	6.7	µg/kg	U		4.1	µg/kg	U		4.1	µg/kg	U		4.1	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	12	µg/kg	U		12	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	12	µg/kg	U		12	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U		11	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006	140	µg/kg	U		140	µg/kg	U		140	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006	6.5	µg/kg	U		4	µg/kg	U		4	µg/kg	U		4	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.098	µg/L	U		0.098	µg/L	U		0.098	µg/L	U		0.098	µg/L	U	
			B1HKY0	EB	4/19/2006																
					TQL (µg/kg)	16.5				16.5				16.5				16.5			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Aroclor-1268 (11100-14-4)				beta-1,2,3,4,5,6-Hexachlorocyclo hexane (beta-BHC) (319-85-7)				Calcium carbonate (471-34-1)				Chlordane (57-74-9)			
						8082				8081				D4373				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006					0.12	µg/kg	U									
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	4	µg/kg	U													
299-W15-48	67	69	B1HK27		3/20/2006	4	µg/kg	U													
299-W15-48	70	72	B1HK32		3/22/2006	4	µg/kg	U													
299-W15-48	100	102	B1HK52		4/4/2006									0	%						
299-W15-48	103	105	B1HK47	R	4/6/2006	4	µg/kg	U													
299-W15-48	103	105	B1HL22	R	4/6/2006	4.1	µg/kg	U													
299-W15-48	118.5	120.5	B1HK42		4/13/2006	4.1	µg/kg	U													
299-W15-48	122.5	124.5	B1HK57		4/18/2006									2	%						
299-W15-48	122.5	124.5	B1HK57		4/18/2006	12	µg/kg	U													
299-W15-48	128.5	130.5	B1HK62		4/24/2006									1.5	%						
299-W15-48	128.5	130.5	B1HK62		4/24/2006	12	µg/kg	U													
299-W15-48	131.5	133	B1HK67		4/27/2006	11	µg/kg	U													
299-W15-48	131.5	133	B1HK67		4/27/2006									22	%						
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006	4	µg/kg	U													
			B1HKY0	EB	4/19/2006	0.098	µg/L	U													
			B1HKY0	EB	4/19/2006					0.007	µg/L	U						0.032	µg/L	U	
					TQL (µg/kg)	16.5				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Dalapon (75-99-0)				Delta-BHC (319-86-8)				Dicamba (1918-00-9)				Dichloroprop (120-36-5)			
						8151				8081				8151				8151			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	29	µg/kg	U		0.12	µg/kg	U		1.6	µg/kg	U		29	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																
			B1HKY0	EB	4/19/2006	2.6	µg/L	U		0.003	µg/L	U		0.17	µg/L	U		0.93	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Dieldrin (60-57-1)				Dinoseb(2-sec butyl-4,6-dinitrophenol) (88-85-7)				Endosulfan I (959-98-8)				Endosulfan II (33213-65-9)			
						8081				8151				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	0.29	µg/kg	U		6.3	µg/kg	U		0.13	µg/kg	U		0.1	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																
			B1HKY0	EB	4/19/2006	0.004	µg/L	U		0.6	µg/L	U		0.003	µg/L	U		0.003	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Endosulfan sulfate (1031-07-8)				Endrin (72-20-8)				Endrin aldehyde (7421-93-4)				Endrin ketone (53494-70-5)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	0.25	µg/kg	U		0.21	µg/kg	U									
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																
			B1HKY0	EB	4/19/2006	0.008	µg/L	U		0.007	µg/L	U		0.003	µg/L	U		0.012	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Gamma-BHC (lindane) (58-89-9)				Gamma-chlordane (5103-74-2)				Heptachlor (76-44-8)				Heptachlor epoxide (1024-57-3)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	0.27	µg/kg	U						0.11	µg/kg	U		0.15	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																
			B1HKY0	EB	4/19/2006	0.003	µg/L	U		0.008	µg/L	U		0.005	µg/L	U		0.004	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Methoxychlor (72-43-5)				Oil and grease (OIL/GREASE)				Total inorganic carbon (TINC)			
							8081				413.1				415.1			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	STLSL												
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL					1000	µg/kg	U					
299-W15-48	67	69	B1HK27		3/20/2006	STLSL					395000	µg/kg						
299-W15-48	70	72	B1HK32		3/22/2006	STLSL					2440000	µg/kg						
299-W15-48	100	102	B1HK52		4/4/2006	STLSL					81300	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL					80300	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL					81700	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006	FIELD									8600	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL					82300	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006	STLSL					91100	µg/kg	U		1020000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	STLSL					93600	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006	STLSL					86800	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006	STLSL					78600	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006	RLNP					702000	µg/kg	U		3280000	µg/kg		
			B1HKY0	EB	4/19/2006	WSCF												
			B1HKY0	EB	4/19/2006	STLSL	0.008	µg/L	U		1800	µg/L	U		220	µg/L	U	
					TQL (µg/kg)		Not listed				5000				N/A			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Total inorganic carbon (TINC)				Total organic carbon (TOC)				Total organic carbon (TOC)			
						9060				415.1				9060			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006												
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	32200	µg/kg							220000	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	252000	µg/kg							641000	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006	474000	µg/kg							2780000	µg/kg		
299-W15-48	100	102	B1HK52		4/4/2006	8500	µg/kg	U						347000	µg/kg		
299-W15-48	103	105	B1HK47	R	4/6/2006	8400	µg/kg	U						183000	µg/kg		
299-W15-48	103	105	B1HL22	R	4/6/2006	8600	µg/kg	U						205000	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006												
299-W15-48	118.5	120.5	B1HK42		4/13/2006	8600	µg/kg	U						957000	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006									3660000	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	9800	µg/kg	U						25000	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	9100	µg/kg	U						23200	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	8200	µg/kg	U						1050000	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006					63400	µg/kg						
			B1HKY0	EB	4/19/2006												
			B1HKY0	EB	4/19/2006					470	µg/L	U					
					TQL (µg/kg)	N/A				N/A				N/A			

Table B-9. General Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (13 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Total petroleum hydrocarbons - diesel range (TPHDIESEL)				Total petroleum hydrocarbons - kerosene range (TPHKEROSENE)				Toxaphene (8001-35-2)			
						WDOE TPH				WDOE TPH				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006									7	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	1600	µg/kg	U		520	µg/kg	U					
299-W15-48	67	69	B1HK27		3/20/2006	1600	µg/kg	U		530	µg/kg	U					
299-W15-48	70	72	B1HK32		3/22/2006	1600	µg/kg	U		530	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006	1600	µg/kg	U		540	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006	1600	µg/kg	U		530	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006	1700	µg/kg	U		540	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006												
299-W15-48	118.5	120.5	B1HK42		4/13/2006	1700	µg/kg	U		550	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006												
			B1HKY0	EB	4/19/2006	75	µg/L	U		75	µg/L	U					
			B1HKY0	EB	4/19/2006									0.19	µg/L	U	
					TQL (µg/kg)	5000				5000				Not listed			

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Americium-241 (14596-10-2) GEA					Americium-241 (14596-10-2) IX/Plate/AEA					Americium-241 (14596-10-2) IX/Prec/AEA				
							Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	EBRLNE	45000	pCi/g	U		45000	46200	pCi/g			74					
299-W15-48	67	69	B1HK27		3/20/2006	EBRLNE	75300	pCi/g			26	74200	pCi/g			570					
299-W15-48	70	72	B1HK32		3/22/2006	EBRLNE	91600	pCi/g			42	92700	pCi/g			150					
299-W15-48	100	102	B1HK52		4/4/2006	EBRLNE	60300	pCi/g			20	78300	pCi/g			210					
299-W15-48	103	105	B1HK47	R	4/6/2006	EBRLNE	51600	pCi/g			17	67600	pCi/g			260					
299-W15-48	103	105	B1HL22	R	4/6/2006	EBRLNE	56600	pCi/g			18	68300	pCi/g			360					
299-W15-48	118.5	120.5	B1HK42		4/13/2006	EBRLNE	60100	pCi/g			11	131000	pCi/g			540					
299-W15-48	122.5	124.5	B1HK53		4/18/2006	WSCF											140	pCi/g			1.6
299-W15-48	122.5	124.5	B1HK57		4/18/2006	EBRLNE	323	pCi/g			12										
299-W15-48	128.5	130.5	B1HK58		4/24/2006	WSCF											0.48	pCi/g			0.012
299-W15-48	128.5	130.5	B1HK62		4/24/2006	EBRLNE	0.777	pCi/g			0.1										
299-W15-48	131.5	133	B1HK63		4/27/2006	WSCF											4.4	pCi/g			0.02
299-W15-48	131.5	133	B1HK67		4/27/2006	EBRLNE	6.29	pCi/g			0.08										
299-W15-48	135	140	B1HK73		5/3/2006	WSCF											1200	pCi/g			1.5
299-W15-48	135	140	B1HK77	S	5/3/2006	EBRLNE	1510	pCi/g			17										
299-W15-48	135	140	B1HL26	S	5/3/2006	EBRLNE	1070	pCi/g			9.6	1330	pCi/g			4.8					
299-W15-48	135	140	B1HL26	S	5/3/2006	STLRL															
			B1HKY0	EB	4/19/2006	WSCF											0.054	pCi/L	U		0.13
			B1HKY0	EB	4/19/2006	EBRLNE															
					TQL (pCi/g)		1					1					1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Antimony-125 (14234-35-6) GEA					Cesium-134 (13967-70-9) GEA					Cesium-137 (10045-97-3) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	1.6	pCi/g	U		1.6	1.6	pCi/g	U		1.6	1.2	pCi/g	U		1.2
299-W15-48	67	69	B1HK27		3/20/2006	0.38	pCi/g	U		0.38	0.2	pCi/g	U		0.2	0.383	pCi/g			0.17
299-W15-48	70	72	B1HK32		3/22/2006	0.84	pCi/g	U		0.84	0.47	pCi/g	U		0.47	0.632	pCi/g			0.38
299-W15-48	100	102	B1HK52		4/4/2006	0.34	pCi/g	U		0.34	0.2	pCi/g	U		0.2	0.325	pCi/g			0.17
299-W15-48	103	105	B1HK47	R	4/6/2006	0.27	pCi/g	U		0.27	0.17	pCi/g	U		0.17	0.408	pCi/g			0.14
299-W15-48	103	105	B1HL22	R	4/6/2006	0.35	pCi/g	U		0.35	0.18	pCi/g	U		0.18	0.291	pCi/g			0.17
299-W15-48	118.5	120.5	B1HK42		4/13/2006	0.53	pCi/g	U		0.53	0.35	pCi/g	U		0.35	0.396	pCi/g			0.29
299-W15-48	122.5	124.5	B1HK53		4/18/2006	0.02	pCi/g	U		0.036	0.06	pCi/g	U		0.06	0.005	pCi/g	U		0.013
299-W15-48	122.5	124.5	B1HK57		4/18/2006	5.3	pCi/g	U		5.3	2.6	pCi/g	U		2.6	2.1	pCi/g	U		2.1
299-W15-48	128.5	130.5	B1HK58		4/24/2006	-0.013	pCi/g	U		0.044	0.078	pCi/g	U		0.08	-0.003	pCi/g	U		0.016
299-W15-48	128.5	130.5	B1HK62		4/24/2006											0.091	pCi/g	U		0.091
299-W15-48	131.5	133	B1HK63		4/27/2006	-0.012	pCi/g	U		0.034	0.006	pCi/g	U		0.012	-0.006	pCi/g	U		0.01
299-W15-48	131.5	133	B1HK67		4/27/2006											0.062	pCi/g	U		0.062
299-W15-48	135	140	B1HK73		5/3/2006	0.025	pCi/g	U		0.05	0.034	pCi/g	U		0.04	-0.005	pCi/g	U		0.02
299-W15-48	135	140	B1HK77	S	5/3/2006	3.3	pCi/g	U		3.3	2.1	pCi/g	U		2.1	1.9	pCi/g	U		1.9
299-W15-48	135	140	B1HL26	S	5/3/2006	3.6	pCi/g	U		3.6	1.9	pCi/g	U		1.9	1.3	pCi/g	U		1.3
299-W15-48	135	140	B1HL26	S	5/3/2006															
			B1HKY0	EB	4/19/2006	10.6	pCi/L	U		22	0.494	pCi/L	U		7.6	-2.23	pCi/L	U		7.4
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	N/A					N/A					0.1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Cobalt-60 (10198-40-0) GEA					Europium-152 (14683-23-9) GEA					Europium-154 (15585-10-1) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	1.1	pCi/g	U		1.1	2.6	pCi/g	U		2.6	3.1	pCi/g	U		3.1
299-W15-48	67	69	B1HK27		3/20/2006	0.19	pCi/g	U		0.19	0.843	pCi/g			0.54	0.55	pCi/g	U		0.55
299-W15-48	70	72	B1HK32		3/22/2006	0.43	pCi/g	U		0.43	3.16	pCi/g			1	1.2	pCi/g	U		1.2
299-W15-48	100	102	B1HK52		4/4/2006	0.17	pCi/g	U		0.17	0.45	pCi/g	U		0.45	0.53	pCi/g	U		0.53
299-W15-48	103	105	B1HK47	R	4/6/2006	0.13	pCi/g	U		0.13	0.34	pCi/g	U		0.34	0.44	pCi/g	U		0.44
299-W15-48	103	105	B1HL22	R	4/6/2006	0.17	pCi/g	U		0.17	0.41	pCi/g	U		0.41	0.5	pCi/g	U		0.5
299-W15-48	118.5	120.5	B1HK42		4/13/2006	0.25	pCi/g	U		0.25	0.78	pCi/g	U		0.78	0.81	pCi/g	U		0.81
299-W15-48	122.5	124.5	B1HK53		4/18/2006	0	pCi/g	U		0.013	0	pCi/g	U		0.041	0.014	pCi/g	U		0.041
299-W15-48	122.5	124.5	B1HK57		4/18/2006	2.9	pCi/g	U		2.9	6	pCi/g	U		6	8.5	pCi/g	U		8.5
299-W15-48	128.5	130.5	B1HK58		4/24/2006	-0.004	pCi/g	U		0.015	-0.005	pCi/g	U		0.05	-0.011	pCi/g	U		0.045
299-W15-48	128.5	130.5	B1HK62		4/24/2006	0.13	pCi/g	U		0.13	0.2	pCi/g	U		0.2	0.4	pCi/g	U		0.4
299-W15-48	131.5	133	B1HK63		4/27/2006	-0.003	pCi/g	U		0.01	0.002	pCi/g	U		0.038	-0.003	pCi/g	U		0.03
299-W15-48	131.5	133	B1HK67		4/27/2006	0.067	pCi/g	U		0.067	0.16	pCi/g	U		0.16	0.2	pCi/g	U		0.2
299-W15-48	135	140	B1HK73		5/3/2006	0	pCi/g	U		0.017	0.01	pCi/g	U		0.056	-0.004	pCi/g	U		0.062
299-W15-48	135	140	B1HK77	S	5/3/2006	1.7	pCi/g	U		1.7	4.2	pCi/g	U		4.2	5.8	pCi/g	U		5.8
299-W15-48	135	140	B1HL26	S	5/3/2006	2.2	pCi/g	U		2.2	3.6	pCi/g	U		3.6	5.9	pCi/g	U		5.9
299-W15-48	135	140	B1HL26	S	5/3/2006															
			B1HKY0	EB	4/19/2006	-3.55	pCi/L	U		7.5	1.5	pCi/L	U		23	-10	pCi/L	U		18
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	0.05					N/A					N/A				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Europium-155 (14391-16-3)					Gross alpha (12587-46-1)					Gross beta (12587-47-2)				
						GEA					GPC					GPC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	8.7	pCi/g	U		8.7										
299-W15-48	67	69	B1HK27		3/20/2006	5.2	pCi/g	U		5.2										
299-W15-48	70	72	B1HK32		3/22/2006	7.4	pCi/g	U		7.4										
299-W15-48	100	102	B1HK52		4/4/2006	2.7	pCi/g	U		2.7										
299-W15-48	103	105	B1HK47	R	4/6/2006	2.3	pCi/g	U		2.3										
299-W15-48	103	105	B1HL22	R	4/6/2006	3.2	pCi/g	U		3.2										
299-W15-48	118.5	120.5	B1HK42		4/13/2006	16	pCi/g	U		16										
299-W15-48	122.5	124.5	B1HK53		4/18/2006	0.131	pCi/g			0.1										
299-W15-48	122.5	124.5	B1HK57		4/18/2006	5	pCi/g	U		5										
299-W15-48	128.5	130.5	B1HK58		4/24/2006	0.115	pCi/g			0.082										
299-W15-48	128.5	130.5	B1HK62		4/24/2006	0.19	pCi/g	U		0.19										
299-W15-48	131.5	133	B1HK63		4/27/2006	0.028	pCi/g	U		0.056										
299-W15-48	131.5	133	B1HK67		4/27/2006	0.1	pCi/g	U		0.1										
299-W15-48	135	140	B1HK73		5/3/2006	0.088	pCi/g	U		0.099										
299-W15-48	135	140	B1HK77	S	5/3/2006	3.5	pCi/g	U		3.5										
299-W15-48	135	140	B1HL26	S	5/3/2006	3	pCi/g	U		3										
299-W15-48	135	140	B1HL26	S	5/3/2006															
			B1HKY0	EB	4/19/2006	-4.09	pCi/L	U		23	0.48	pCi/L	U		0.76	1.8	pCi/L			1.6
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Neptunium-237 (13994-20-2) LX/Plate/AEA					Plutonium-238 (13981-16-3) IX/Prec/AEA					Plutonium-238 (13981-16-3) Sep/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	0	pCi/g	U		46						393	pCi/g			77
299-W15-48	67	69	B1HK27		3/20/2006	0	pCi/g	U		280						1320	pCi/g	U		1700
299-W15-48	70	72	B1HK32		3/22/2006	224	pCi/g	U		340						3680	pCi/g			570
299-W15-48	100	102	B1HK52		4/4/2006	90.2	pCi/g	U		270						262	pCi/g	U		300
299-W15-48	103	105	B1HK47	R	4/6/2006	0	pCi/g	U		230						15.2	pCi/g	U		290
299-W15-48	103	105	B1HL22	R	4/6/2006	78.1	pCi/g	U		230						-218	pCi/g	U		330
299-W15-48	118.5	120.5	B1HK42		4/13/2006	0	pCi/g	U		490						0	pCi/g	U		720
299-W15-48	122.5	124.5	B1HK53		4/18/2006						0.41	pCi/g			0.043					
299-W15-48	122.5	124.5	B1HK57		4/18/2006	10.5	pCi/g			0.38										
299-W15-48	128.5	130.5	B1HK58		4/24/2006						-0.005	pCi/g	U		0.034					
299-W15-48	128.5	130.5	B1HK62		4/24/2006	0.02	pCi/g	U		0.061										
299-W15-48	131.5	133	B1HK63		4/27/2006						0.029	pCi/g	U		0.054					
299-W15-48	131.5	133	B1HK67		4/27/2006	0.022	pCi/g	U		0.065										
299-W15-48	135	140	B1HK73		5/3/2006						4.5	pCi/g			1.6					
299-W15-48	135	140	B1HK77	S	5/3/2006	1.89	pCi/g	U		14										
299-W15-48	135	140	B1HL26	S	5/3/2006											-5.23	pCi/g	U		7.8
299-W15-48	135	140	B1HL26	S	5/3/2006	0.137	pCi/g	U		0.821										
			B1HKY0	EB	4/19/2006						0.004	pCi/L	U		0.15					
			B1HKY0	EB	4/19/2006	0.072	pCi/L	U		0.22										
					TQL (pCi/g)	1					1					1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Plutonium-239/240 (PU-239/240) IX/Prec/AEA					Plutonium-239/240 (PU-239/240) Sep/Plate/AEA					Potassium-40 (13966-00-2) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006						21700	pCi/g			77	33	pCi/g	U		33
299-W15-48	67	69	B1HK27		3/20/2006						84100	pCi/g			1700	23.5	pCi/g			2.1
299-W15-48	70	72	B1HK32		3/22/2006						254000	pCi/g			450	28.3	pCi/g			3.7
299-W15-48	100	102	B1HK52		4/4/2006						19000	pCi/g			120	21.3	pCi/g			1.7
299-W15-48	103	105	B1HK47	R	4/6/2006						9330	pCi/g			58	15	pCi/g			1.3
299-W15-48	103	105	B1HL22	R	4/6/2006						9120	pCi/g			100	21.9	pCi/g			1.8
299-W15-48	118.5	120.5	B1HK42		4/13/2006						9060	pCi/g			200	29.4	pCi/g			2.1
299-W15-48	122.5	124.5	B1HK53		4/18/2006	13	pCi/g			0.019										
299-W15-48	122.5	124.5	B1HK57		4/18/2006											65	pCi/g	U		65
299-W15-48	128.5	130.5	B1HK58		4/24/2006	0.14	pCi/g			0.012										
299-W15-48	128.5	130.5	B1HK62		4/24/2006											16.2	pCi/g			1.5
299-W15-48	131.5	133	B1HK63		4/27/2006	1.2	pCi/g			0.014										
299-W15-48	131.5	133	B1HK67		4/27/2006											2.22	pCi/g			0.9
299-W15-48	135	140	B1HK73		5/3/2006	140	pCi/g			0.35										
299-W15-48	135	140	B1HK77	S	5/3/2006											25.8	pCi/g			14
299-W15-48	135	140	B1HL26	S	5/3/2006						129	pCi/g			1.5	20	pCi/g	U		20
299-W15-48	135	140	B1HL26	S	5/3/2006															
			B1HKY0	EB	4/19/2006	0.022	pCi/L			0.012										
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	1					1					N/A				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Radium-226 (13982-63-3)					Radium-228 (15262-20-1)					Technetium-99 (14133-76-7)				
						GEA					GEA					3M/LSC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	2.5	pCi/g	U		2.5	4	pCi/g	U		4					
299-W15-48	67	69	B1HK27		3/20/2006	0.48	pCi/g			0.32	1.1	pCi/g	U		1.1					
299-W15-48	70	72	B1HK32		3/22/2006	0.584	pCi/g	U		0.62	1.64	pCi/g			1.3					
299-W15-48	100	102	B1HK52		4/4/2006	0.487	pCi/g			0.32	0.7	pCi/g			0.69					
299-W15-48	103	105	B1HK47	R	4/6/2006	0.668	pCi/g			0.21	0.616	pCi/g			0.6					
299-W15-48	103	105	B1HL22	R	4/6/2006	0.642	pCi/g			0.27	0.77	pCi/g			0.67					
299-W15-48	118.5	120.5	B1HK42		4/13/2006	0.742	pCi/g			0.54	1.36	pCi/g			1.2					
299-W15-48	122.5	124.5	B1HK53		4/18/2006															
299-W15-48	122.5	124.5	B1HK57		4/18/2006	4.3	pCi/g	U		4.3	21	pCi/g	U		21					
299-W15-48	128.5	130.5	B1HK58		4/24/2006															
299-W15-48	128.5	130.5	B1HK62		4/24/2006	0.907	pCi/g			0.23	1.37	pCi/g			0.51					
299-W15-48	131.5	133	B1HK63		4/27/2006															
299-W15-48	131.5	133	B1HK67		4/27/2006	2.16	pCi/g			0.16	0.29	pCi/g	U		0.29					
299-W15-48	135	140	B1HK73		5/3/2006															
299-W15-48	135	140	B1HK77	S	5/3/2006	2.8	pCi/g	U		2.8	9	pCi/g	U		9					
299-W15-48	135	140	B1HL26	S	5/3/2006	2.4	pCi/g	U		2.4	7.2	pCi/g	U		7.2					
299-W15-48	135	140	B1HL26	S	5/3/2006	0.571	pCi/g			0.09	0.31	pCi/g			0.177					
			B1HKY0	EB	4/19/2006	28.6	pCi/L			17	-1.14	pCi/L	U		24	1.2	pCi/L	U		2.2
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	N/A					N/A					15				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Technetium-99 (14133-76-7) Sep/GPC					Technetium-99 (14133-76-7) TEVA/LSC					Thorium-228 (14274-82-9) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	14.3	pCi/g			4.1						1.5	pCi/g	U		1.5
299-W15-48	67	69	B1HK27		3/20/2006	71.1	pCi/g			9.8						0.836	pCi/g			0.39
299-W15-48	70	72	B1HK32		3/22/2006	272	pCi/g			73						1.4	pCi/g			0.76
299-W15-48	100	102	B1HK52		4/4/2006	22.1	pCi/g			17						0.924	pCi/g			0.2
299-W15-48	103	105	B1HK47	R	4/6/2006	7.61	pCi/g	U		26						0.87	pCi/g			0.23
299-W15-48	103	105	B1HL22	R	4/6/2006	2.15	pCi/g	U		26						0.97	pCi/g			0.29
299-W15-48	118.5	120.5	B1HK42		4/13/2006	-4.77	pCi/g	U		18						1.48	pCi/g			0.63
299-W15-48	122.5	124.5	B1HK53		4/18/2006															
299-W15-48	122.5	124.5	B1HK57		4/18/2006	0.823	pCi/g	U		2.8						3.3	pCi/g	U		3.3
299-W15-48	128.5	130.5	B1HK58		4/24/2006															
299-W15-48	128.5	130.5	B1HK62		4/24/2006	0.253	pCi/g	U		0.62						1.53	pCi/g			0.13
299-W15-48	131.5	133	B1HK63		4/27/2006															
299-W15-48	131.5	133	B1HK67		4/27/2006	0.196	pCi/g	U		0.55						0.291	pCi/g			0.08
299-W15-48	135	140	B1HK73		5/3/2006															
299-W15-48	135	140	B1HK77	S	5/3/2006	0.567	pCi/g	U		4.6						2.2	pCi/g	U		2.2
299-W15-48	135	140	B1HL26	S	5/3/2006											1.9	pCi/g	U		1.9
299-W15-48	135	140	B1HL26	S	5/3/2006						0.363	pCi/g	U		0.636					
			B1HKY0	EB	4/19/2006															
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	15					15					N/A				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Thorium-228 (14274-82-9) IX/Plate/AEA					Thorium-228 (14274-82-9) IX/Prec/AEA					Thorium-230 (14269-63-7) IX/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	22.1	pCi/g	U		210						21.9	pCi/g	U		170
299-W15-48	67	69	B1HK27		3/20/2006	58.1	pCi/g	U		640						-231	pCi/g	U		440
299-W15-48	70	72	B1HK32		3/22/2006	166	pCi/g	U		460						102	pCi/g	U		270
299-W15-48	100	102	B1HK52		4/4/2006	-58.1	pCi/g	U		440						-57.9	pCi/g	U		440
299-W15-48	103	105	B1HK47	R	4/6/2006	0	pCi/g	U		470						-61.4	pCi/g	U		470
299-W15-48	103	105	B1HL22	R	4/6/2006	-13	pCi/g	U		46						27.4	pCi/g	U		230
299-W15-48	118.5	120.5	B1HK42		4/13/2006	-20	pCi/g	U		82						-48.5	pCi/g	U		460
299-W15-48	122.5	124.5	B1HK53		4/18/2006															
299-W15-48	122.5	124.5	B1HK57		4/18/2006	0.923	pCi/g			0.88						0.46	pCi/g	U		0.88
299-W15-48	128.5	130.5	B1HK58		4/24/2006															
299-W15-48	128.5	130.5	B1HK62		4/24/2006	1.46	pCi/g			0.23						1.57	pCi/g	B		0.23
299-W15-48	131.5	133	B1HK63		4/27/2006															
299-W15-48	131.5	133	B1HK67		4/27/2006	0.542	pCi/g			0.29						2.7	pCi/g	B		0.23
299-W15-48	135	140	B1HK73		5/3/2006															
299-W15-48	135	140	B1HK77	S	5/3/2006	2.13	pCi/g	U		8.1						2.12	pCi/g	U		8.1
299-W15-48	135	140	B1HL26	S	5/3/2006															
299-W15-48	135	140	B1HL26	S	5/3/2006						2.2	pCi/g			1.15					
			B1HKY0	EB	4/19/2006															
			B1HKY0	EB	4/19/2006	-0.018	pCi/L	U		0.17						-0.035	pCi/L	U		0.17
					TQL (pCi/g)	N/A					N/A					N/A				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Thorium-230 (14269-63-7) IX/Prec/AEA					Thorium-232 (TH-232) GEA					Thorium-232 (TH-232) IX/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006						4	pCi/g	U		4	0	pCi/g	U		170
299-W15-48	67	69	B1HK27		3/20/2006						1.1	pCi/g	U		1.1	-57.8	pCi/g	U		440
299-W15-48	70	72	B1HK32		3/22/2006						1.64	pCi/g			1.3	-20.5	pCi/g	U		200
299-W15-48	100	102	B1HK52		4/4/2006						0.7	pCi/g			0.69	57.9	pCi/g	U		440
299-W15-48	103	105	B1HK47	R	4/6/2006						0.616	pCi/g			0.6	0	pCi/g	U		470
299-W15-48	103	105	B1HL22	R	4/6/2006						0.77	pCi/g			0.67	-17.3	pCi/g	U		53
299-W15-48	118.5	120.5	B1HK42		4/13/2006						1.36	pCi/g			1.2	-17.1	pCi/g	U		100
299-W15-48	122.5	124.5	B1HK53		4/18/2006															
299-W15-48	122.5	124.5	B1HK57		4/18/2006						21	pCi/g	U		21	1.5	pCi/g			0.88
299-W15-48	128.5	130.5	B1HK58		4/24/2006															
299-W15-48	128.5	130.5	B1HK62		4/24/2006						1.37	pCi/g			0.51	1.42	pCi/g			0.23
299-W15-48	131.5	133	B1HK63		4/27/2006															
299-W15-48	131.5	133	B1HK67		4/27/2006						0.29	pCi/g	U		0.29	0.451	pCi/g			0.23
299-W15-48	135	140	B1HK73		5/3/2006															
299-W15-48	135	140	B1HK77	S	5/3/2006						9	pCi/g	U		9	0	pCi/g	U		8.1
299-W15-48	135	140	B1HL26	S	5/3/2006						7.2	pCi/g	U		7.2					
299-W15-48	135	140	B1HL26	S	5/3/2006	7.34	pCi/g			0.706										
			B1HKY0	EB	4/19/2006															
			B1HKY0	EB	4/19/2006											-0.018	pCi/L	U		0.14
					TQL (pCi/g)	N/A					1					1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Thorium-232 (TH-232) IX/Prec/AEA					Total beta radiostrontium (SR-RAD) Sep/GPC					Tritium (10028-17-8) 906				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006						7.19	pCi/g	U		28	37.8	pCi/g	U		50
299-W15-48	67	69	B1HK27		3/20/2006						-760	pCi/g	U		1900					
299-W15-48	70	72	B1HK32		3/22/2006						-303	pCi/g	U		1100					
299-W15-48	100	102	B1HK52		4/4/2006						-77.2	pCi/g	U		1400					
299-W15-48	103	105	B1HK47	R	4/6/2006						-662	pCi/g	U		1400					
299-W15-48	103	105	B1HL22	R	4/6/2006						-269	pCi/g	U		1400					
299-W15-48	118.5	120.5	B1HK42		4/13/2006						-534	pCi/g	U		2500					
299-W15-48	122.5	124.5	B1HK53		4/18/2006															
299-W15-48	122.5	124.5	B1HK57		4/18/2006						0.657	pCi/g	U		2.8					
299-W15-48	128.5	130.5	B1HK58		4/24/2006															
299-W15-48	128.5	130.5	B1HK62		4/24/2006						0.22	pCi/g			0.11					
299-W15-48	131.5	133	B1HK63		4/27/2006															
299-W15-48	131.5	133	B1HK67		4/27/2006						1.18	pCi/g			0.15					
299-W15-48	135	140	B1HK73		5/3/2006															
299-W15-48	135	140	B1HK77	S	5/3/2006						-0.7	pCi/g	U		28					
299-W15-48	135	140	B1HL26	S	5/3/2006															
299-W15-48	135	140	B1HL26	S	5/3/2006	1.89	pCi/g			0.706	2.39	pCi/g	U		9.42	0.009	pCi/g	U		0.111
			B1HKY0	EB	4/19/2006						2.1	pCi/L			1.6					
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	1					1					400				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tritium (10028-17-8) CombOx/LSC					Tritium (10028-17-8) Dist/LSC					Uranium-233/234 (U-233/234) IX/Prec/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006															
299-W15-48	67	69	B1HK27		3/20/2006	0.378	pCi/g	U		15										
299-W15-48	70	72	B1HK32		3/22/2006	-0.603	pCi/g	U		18										
299-W15-48	100	102	B1HK52		4/4/2006	-3.22	pCi/g	U		17										
299-W15-48	103	105	B1HK47	R	4/6/2006	5.58	pCi/g	U		15										
299-W15-48	103	105	B1HL22	R	4/6/2006	9.19	pCi/g	U		15										
299-W15-48	118.5	120.5	B1HK42		4/13/2006	4.07	pCi/g	U		14										
299-W15-48	122.5	124.5	B1HK53		4/18/2006											0.21	pCi/g			0.02
299-W15-48	122.5	124.5	B1HK57		4/18/2006	-0.249	pCi/g	U		2.9										
299-W15-48	128.5	130.5	B1HK58		4/24/2006											0.16	pCi/g			0.017
299-W15-48	128.5	130.5	B1HK62		4/24/2006	0.827	pCi/g	U		2.5										
299-W15-48	131.5	133	B1HK63		4/27/2006											0.68	pCi/g			0.02
299-W15-48	131.5	133	B1HK67		4/27/2006	-0.424	pCi/g	U		2.4										
299-W15-48	135	140	B1HK73		5/3/2006											0.18	pCi/g			0.013
299-W15-48	135	140	B1HK77	S	5/3/2006	-0.016	pCi/g	U		3										
299-W15-48	135	140	B1HL26	S	5/3/2006															
299-W15-48	135	140	B1HL26	S	5/3/2006															
			B1HKY0	EB	4/19/2006						11	pCi/L	U		210	0.047	pCi/L			0.044
			B1HKY0	EB	4/19/2006															
					TQL (pCi/g)	400					400					1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Uranium-233/234 (U-233/234) Sep/Plate/AEA					Uranium-235 (15117-96-1) GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	8.3	pCi/g	U		64	3.5	pCi/g	U		3.5
299-W15-48	67	69	B1HK27		3/20/2006	0	pCi/g	U		500	1.2	pCi/g	U		1.2
299-W15-48	70	72	B1HK32		3/22/2006	50.3	pCi/g	U		380	7	pCi/g	U		7
299-W15-48	100	102	B1HK52		4/4/2006	-17.8	pCi/g	U		85	0.8	pCi/g	U		0.8
299-W15-48	103	105	B1HK47	R	4/6/2006	10.1	pCi/g	U		77	0.65	pCi/g	U		0.65
299-W15-48	103	105	B1HL22	R	4/6/2006	8.88	pCi/g	U		110	0.74	pCi/g	U		0.74
299-W15-48	118.5	120.5	B1HK42		4/13/2006	18.1	pCi/g	U		140	5.7	pCi/g	U		5.7
299-W15-48	122.5	124.5	B1HK53		4/18/2006										
299-W15-48	122.5	124.5	B1HK57		4/18/2006						7.2	pCi/g	U		7.2
299-W15-48	128.5	130.5	B1HK58		4/24/2006										
299-W15-48	128.5	130.5	B1HK62		4/24/2006						0.27	pCi/g	U		0.27
299-W15-48	131.5	133	B1HK63		4/27/2006										
299-W15-48	131.5	133	B1HK67		4/27/2006						0.36	pCi/g	U		0.36
299-W15-48	135	140	B1HK73		5/3/2006										
299-W15-48	135	140	B1HK77	S	5/3/2006						4.7	pCi/g	U		4.7
299-W15-48	135	140	B1HL26	S	5/3/2006	0.971	pCi/g	U		2.3	4.2	pCi/g	U		4.2
299-W15-48	135	140	B1HL26	S	5/3/2006										
			B1HKY0	EB	4/19/2006										
			B1HKY0	EB	4/19/2006										
					TQL (pCi/g)	1					1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Uranium-235 (15117-96-1) IX/Prec/AEA					Uranium-235 (15117-96-1) Sep/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006						0	pCi/g	U		77
299-W15-48	67	69	B1HK27		3/20/2006						79.8	pCi/g	U		610
299-W15-48	70	72	B1HK32		3/22/2006						0	pCi/g	U		470
299-W15-48	100	102	B1HK52		4/4/2006						21.6	pCi/g	U		83
299-W15-48	103	105	B1HK47	R	4/6/2006						-24.4	pCi/g	U		120
299-W15-48	103	105	B1HL22	R	4/6/2006						-10.8	pCi/g	U		82
299-W15-48	118.5	120.5	B1HK42		4/13/2006						-21.9	pCi/g	U		170
299-W15-48	122.5	124.5	B1HK53		4/18/2006	0.016	pCi/g	U		0.02					
299-W15-48	122.5	124.5	B1HK57		4/18/2006										
299-W15-48	128.5	130.5	B1HK58		4/24/2006	0.008	pCi/g	U		0.018					
299-W15-48	128.5	130.5	B1HK62		4/24/2006										
299-W15-48	131.5	133	B1HK63		4/27/2006	0.03	pCi/g			0.005					
299-W15-48	131.5	133	B1HK67		4/27/2006										
299-W15-48	135	140	B1HK73		5/3/2006	0.01	pCi/g	U		0.015					
299-W15-48	135	140	B1HK77	S	5/3/2006										
299-W15-48	135	140	B1HL26	S	5/3/2006						-0.294	pCi/g	U		2.2
299-W15-48	135	140	B1HL26	S	5/3/2006										
			B1HKY0	EB	4/19/2006	0.021	pCi/L			0.014					
			B1HKY0	EB	4/19/2006										
					TQL (pCi/g)	1					1				

Table B-10. Radiochemical Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (15 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Uranium-238 (U-238) GEA					Uranium-238 (U-238) IX/Prec/AEA					Uranium-238 (U-238) Sep/Plate/AEA				
							Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
299-W15-48	52.5	54.5	B1HK99		3/13/2006	EBRLNE	120	pCi/g	U		120						0	pCi/g	U		64
299-W15-48	67	69	B1HK27		3/20/2006	EBRLNE	21	pCi/g	U		21						66	pCi/g	U		500
299-W15-48	70	72	B1HK32		3/22/2006	EBRLNE	43	pCi/g	U		43						0	pCi/g	U		380
299-W15-48	100	102	B1HK52		4/4/2006	EBRLNE	17	pCi/g	U		17						-17.8	pCi/g	U		85
299-W15-48	103	105	B1HK47	R	4/6/2006	EBRLNE	17	pCi/g	U		17						-10.1	pCi/g	U		77
299-W15-48	103	105	B1HL22	R	4/6/2006	EBRLNE	19	pCi/g	U		19						-17.8	pCi/g	U		85
299-W15-48	118.5	120.5	B1HK42		4/13/2006	EBRLNE	27	pCi/g	U		27						18.1	pCi/g	U		140
299-W15-48	122.5	124.5	B1HK53		4/18/2006	WSCF						0.24	pCi/g			0.005					
299-W15-48	122.5	124.5	B1HK57		4/18/2006	EBRLNE	350	pCi/g	U		350										
299-W15-48	128.5	130.5	B1HK58		4/24/2006	WSCF						0.18	pCi/g			0.004					
299-W15-48	128.5	130.5	B1HK62		4/24/2006	EBRLNE	14	pCi/g	U		14										
299-W15-48	131.5	133	B1HK63		4/27/2006	WSCF						0.56	pCi/g			0.005					
299-W15-48	131.5	133	B1HK67		4/27/2006	EBRLNE	7.6	pCi/g	U		7.6										
299-W15-48	135	140	B1HK73		5/3/2006	WSCF						0.2	pCi/g			0.013					
299-W15-48	135	140	B1HK77	S	5/3/2006	EBRLNE	220	pCi/g	U		220										
299-W15-48	135	140	B1HL26	S	5/3/2006	EBRLNE	180	pCi/g	U		180						0.728	pCi/g	U		1.9
			B1HKY0	EB	4/19/2006	WSCF						0.01	pCi/L	U		0.013					
					TQL (pCi/g)		1					1					1				

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1-(2-Butoxyethoxy) ethanol (54446-78-5)				1,1"-Biphenyl (92-52-4)				1,2,4-Trichlorobenzene (120-82-1)				1,2-Benzene dicarboxylic acid butyl 2-ethylhexyl ester (85-69-8)			
							8270				8270				8270				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL					35	µg/kg	U		35	µg/kg	U					
299-W15-48	67	69	B1HK27		3/20/2006	STLSL					35	µg/kg	U		35	µg/kg	U					
299-W15-48	70	72	B1HK32		3/22/2006	STLSL					35	µg/kg	U		35	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006	STLSL					36	µg/kg	U		36	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL					36	µg/kg	U		36	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL					36	µg/kg	U		36	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL					36	µg/kg	U		36	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF									320	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF									340	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF									180	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006	RLNP									350	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL					35	µg/kg	U		35	µg/kg	U					
			B1HKY0	EB	4/19/2006	WSCF	5.1	µg/L	J						2.5	µg/L	U		9	µg/L	J	
					TQL (µg/kg)		N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichlorobenzene (95-50-1)				1,3-Dichlorobenzene (541-73-1)				1,4-Dichlorobenzene (106-46-7)				2,4,5-Trichlorophenol (95-95-4)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	450	µg/kg	U		570	µg/kg	U		480	µg/kg	U		160	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	470	µg/kg	U		600	µg/kg	U		500	µg/kg	U		170	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	260	µg/kg	U		320	µg/kg	U		300	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		870	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	1.4	µg/L	U		1.2	µg/L	U		1.2	µg/L	U		0.59	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2,4,6-Trichlorophenol (88-06-2)				2,4-Dichlorophenol (120-83-2)				2,4-Dimethylphenol (105-67-9)				2,4-Dinitrophenol (51-28-5)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		350	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	150	µg/kg	U		160	µg/kg	U		320	µg/kg	U		630	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	160	µg/kg	U		170	µg/kg	U		340	µg/kg	U		660	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		200	µg/kg	U		270	µg/kg	U		730	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		870	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.35	µg/L	U		1.9	µg/L	U		1.5	µg/L	U		0.5	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2,4-Dinitrotoluene (121-14-2)				2,6-Dinitrotoluene (606-20-2)				2-Chloronaphthalene (91-58-7)				2-Chlorophenol (95-57-8)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	190	µg/kg	U		250	µg/kg	U		230	µg/kg	U		270	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	200	µg/kg	U		260	µg/kg	U		250	µg/kg	U		290	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U		180	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.36	µg/L	U		0.3	µg/L	U		3.5	µg/L	U		0.3	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Methylnaphthalene (91-57-6)				2-Methylphenol (cresol, o-) (95-48-7)				2-Nitroaniline (88-74-4)				2-Nitrophenol (88-75-5)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	270	µg/kg	U		290	µg/kg	U		180	µg/kg	U		320	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	280	µg/kg	U		310	µg/kg	U		190	µg/kg	U		340	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U		180	µg/kg	U		200	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		870	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	3.3	µg/L	U		0.84	µg/L	U		0.36	µg/L	U		0.5	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	3,3"-Dichlorobenzidine (91-94-1)				3+4 Methylphenol (cresol, m+p) (65794-96-9)				3-Nitroaniline (99-09-2)				4,6-Dinitro-2-methylphenol (534-52-1)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		70	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		71	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		71	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		72	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		71	µg/kg	U		36	µg/kg	U		350	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		72	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		73	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	120	µg/kg	U		380	µg/kg	U		210	µg/kg	U		450	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	130	µg/kg	U		390	µg/kg	U		220	µg/kg	U		480	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	390	µg/kg	U		180	µg/kg	U		220	µg/kg	U		390	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U						870	µg/kg	U		870	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		71	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.87	µg/L	U		1.6	µg/L	U		0.34	µg/L	U		0.42	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	4-Bromophenylphenyl ether (101-55-3)				4-Chloro-3-methylphenol (59-50-7)				4-Chloroaniline (106-47-8)				4-Chlorophenylphenyl ether (7005-72-3)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	180	µg/kg	U		170	µg/kg	U		540	µg/kg	U		180	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	190	µg/kg	U		180	µg/kg	U		560	µg/kg	U		190	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U		330	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	2.6	µg/L	U		0.29	µg/L	U		0.2	µg/L	U		3.6	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	4-Methylphenol (cresol, p-) (106-44-5)				4-Nitroaniline (100-01-6)				4-Nitrophenol (100-02-7)				Acenaphthene (83-32-9)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006					350	µg/kg	U		350	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006					350	µg/kg	U		350	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006					350	µg/kg	U		350	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006					360	µg/kg	U		360	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006					350	µg/kg	U		350	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006					360	µg/kg	U		360	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006					360	µg/kg	U		360	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006					310	µg/kg	U		310	µg/kg	U		250	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006					330	µg/kg	U		320	µg/kg	U		260	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006					330	µg/kg	U		390	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		870	µg/kg	U		870	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006					350	µg/kg	U		350	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006					1.4	µg/L	U		0.89	µg/L	U		3.3	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acenaphthylene (208-96-8)				Acetophenone (98-86-2)				Anthracene (120-12-7)				Atrazine (1912-24-9)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	260	µg/kg	U						270	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006	280	µg/kg	U						290	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U						180	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U						350	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	3.2	µg/L	U						0.81	µg/L	U					
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Benzaldehyde (100-52-7)				Benzo(a)anthracene (56-55-3)				Benzo(a)pyrene (50-32-8)				Benzo(b)fluoranthene (205-99-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006					230	µg/kg	U		220	µg/kg	U		270	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006					240	µg/kg	U		230	µg/kg	U		280	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006					180	µg/kg	U		270	µg/kg	U		230	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006					350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006					0.46	µg/L	U		0.59	µg/L	U		0.35	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Benzo(ghi)perylene (191-24-2)				Benzo(k)fluoranthene (207-08-9)				Bis(2-chloro-1-methylethyl)ether (108-60-1)				Bis(2-chloroethoxy) methane (111-91-1)			
							8270				8270				8270				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	STLSL	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	STLSL	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	STLSL	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF	270	µg/kg	U		190	µg/kg	U		320	µg/kg	U		220	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF	290	µg/kg	U		200	µg/kg	U		330	µg/kg	U		230	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF	380	µg/kg	U		240	µg/kg	U		180	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	RLNP	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	WSCF	1.4	µg/L	U		0.4	µg/L	U		0.99	µg/L	U		0.42	µg/L	U	
					TQL (µg/kg)		N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bis(2-chloroethyl) ether (111-44-4)				Bis(2-ethylhexyl) phthalate (117-81-7)				Butylbenzylphthalate (85-68-7)				Caprolactam (105-60-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		120	µg/kg	J		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		500	µg/kg			35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		56	µg/kg	J		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	360	µg/kg	U		180	µg/kg	U		150	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006	380	µg/kg	U		190	µg/kg	U		160	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U		180	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		34	µg/kg	JB		350	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.47	µg/L	U		1.7	µg/L	U		1	µg/L	U					
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbazole (86-74-8)				Chrysene (218-01-9)				Cyclohexane (110-82-7)				Decamethylcyclo pentasiloxane (541-02-6)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U									
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U						220	µg/kg		R
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U									
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U									
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U									
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U									
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U									
299-W15-48	122.5	124.5	B1HK57		4/18/2006	280	µg/kg	U		250	µg/kg	U									
299-W15-48	128.5	130.5	B1HK62		4/24/2006	290	µg/kg	U		270	µg/kg	U									
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U									
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		2000	µg/kg	JBN					
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U									
			B1HKY0	EB	4/19/2006	0.74	µg/L	U		0.45	µg/L	U									
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Dibenz[a,h] anthracene (53-70-3)				Dibenzofuran (132-64-9)				Dibutyl butylphosphonate (78-46-6)				Diethylphthalate (84-66-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U						35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U						35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U						35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U						36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U						36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U						36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U						36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	330	µg/kg	U		220	µg/kg	U		300	µg/kg	U		600	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	350	µg/kg	U		230	µg/kg	U		310	µg/kg	U		710	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006	390	µg/kg	U		180	µg/kg	U		180	µg/kg	U		600	µg/kg	B	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U						350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U						35	µg/kg	U	
			B1HKY0	EB	4/19/2006	1.3	µg/L	U		3.6	µg/L	U		0.34	µg/L	U		0.47	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Dimethyl phthalate (131-11-3)				Di-n-butylphthalate (84-74-2)				Di-n-octylphthalate (117-84-0)				Fluoranthene (206-44-0)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		15	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		16	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		100	µg/kg	J		16	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		16	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		16	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		16	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		38	µg/kg	J		16	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	230	µg/kg	U		1300	µg/kg			300	µg/kg	U		290	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	240	µg/kg	U		800	µg/kg			310	µg/kg	U		300	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		510	µg/kg	B		180	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		16	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.35	µg/L	U		0.36	µg/L	U		2	µg/L	U		0.51	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Fluorene (86-73-7)				Hexachlorobenzene (118-74-1)				Hexachlorobutadiene (87-68-3)				Hexachlorocyclo pentadiene (77-47-4)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		350	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		360	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	240	µg/kg	U		250	µg/kg	U		300	µg/kg	U		580	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	260	µg/kg	U		260	µg/kg	U		310	µg/kg	U		610	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U		180	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		350	µg/kg	U	
			B1HKY0	EB	4/19/2006	3	µg/L	U		1.1	µg/L	U		1.4	µg/L	U		0.62	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Indeno(1,2,3-cd) pyrene (193-39-5)				Isophorone (78-59-1)				Naphthalene (91-20-3)				Nitrobenzene (98-95-3)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	290	µg/kg	U		300	µg/kg	U		290	µg/kg	U		300	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	310	µg/kg	U		310	µg/kg	U		310	µg/kg	U		310	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	390	µg/kg	U		180	µg/kg	U		180	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		350	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
			B1HKY0	EB	4/19/2006	1.3	µg/L	U		0.36	µg/L	U		1	µg/L	U		0.84	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	n-Nitrosodi-n-dipropylamine (621-64-7)				n-Nitroso diphenylamine (86-30-6)				Octadecanoic acid (57-11-4)				Pentachlorophenol (87-86-5)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U						350	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		220	µg/kg			350	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U						350	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U						360	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U						350	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U						360	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U						360	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	270	µg/kg	U		260	µg/kg	U						260	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	280	µg/kg	U		270	µg/kg	U						270	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		190	µg/kg	U						470	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U						870	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U						350	µg/kg	U	
			B1HKY0	EB	4/19/2006	0.37	µg/L	U		0.56	µg/L	U						0.53	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				N/A			

Table B-11. Semivolatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (19 Pages)

Location	Sample Top (ft downhhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Phenanthrene (85-01-8)				Phenol (108-95-2)				Pyrene (129-00-0)				Tributyl phosphate (126-73-8)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		35	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		120000	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		3000000	µg/kg	D	
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		46000	µg/kg	D	
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		49	µg/kg	J	
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		36	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U		36	µg/kg	U		36	µg/kg	U		4200	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006	250	µg/kg	U		250	µg/kg	U		1300	µg/kg	U		98	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	270	µg/kg	U		260	µg/kg	U		1400	µg/kg	U		100	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	180	µg/kg	U		180	µg/kg	U		180	µg/kg	U		180	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U		350	µg/kg	U		350	µg/kg	U		63	µg/kg	J	
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U		35	µg/kg	U		35	µg/kg	U		84	µg/kg	J	
			B1HKY0	EB	4/19/2006	1.1	µg/L	U		0.69	µg/L	U		0.34	µg/L	U		0.32	µg/L	U	
					TQL (µg/kg)	N/A				330				N/A				3300			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	STLSL	0.55	µg/kg	U		0.66	µg/kg	U		0.5	µg/kg	U		0.68	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K945		3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K946		3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K947		3/14/2006	FIELD																
299-W15-48	67	69	B1HK24		3/20/2006	STLSL	47	µg/kg	U		15	µg/kg	U		60	µg/kg	U		81	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006	STLSL	0.17	µg/kg	U		3.8	µg/kg	J		0.48	µg/kg	U		0.19	µg/kg	U	
299-W15-48	70	72	B1HK29		3/22/2006	STLSL	44	µg/kg	U		14	µg/kg	U		57	µg/kg	U		77	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006	STLSL	0.17	µg/kg	U		0.31	µg/kg	U		0.5	µg/kg	U		0.19	µg/kg	U	
299-W15-48	70	72	B1K8X2	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K8X3	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K8X4	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K8X5	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K943		3/23/2006	FIELD																
299-W15-48	70	72	B1K944		3/23/2006	FIELD																
299-W15-48	73	75	B1HK34		3/27/2006	STLSL	52	µg/kg	U		17	µg/kg	U		67	µg/kg	U		90	µg/kg	U	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006	STLSL	0.22	µg/kg	U		5.1	µg/kg	J		0.63	µg/kg	U		0.24	µg/kg	U	
299-W15-48	100	102	B1HK49		4/4/2006	STLSL	46	µg/kg	U		24	µg/kg	JB		59	µg/kg	U		80	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006	STLSL	0.21	µg/kg	U		0.37	µg/kg	U		0.61	µg/kg	U		0.24	µg/kg	U	
299-W15-48	100	102	B1K8X6	R	4/4/2006	FIELD																
299-W15-48	100	102	B1K8X7	R	4/4/2006	FIELD																
299-W15-48	100	102	B1K8X8	R	4/4/2006	FIELD																
299-W15-48	100	102	B1K8X9	R	4/4/2006	FIELD																
299-W15-48	103	105	B1HK44	R	4/6/2006	STLSL	47	µg/kg	U		15	µg/kg	U		60	µg/kg	U		81	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006	STLSL	0.19	µg/kg	U		0.34	µg/kg	U		0.55	µg/kg	U		0.21	µg/kg	U	
299-W15-48	103	105	B1HL19	R	4/6/2006	STLSL	46	µg/kg	U		15	µg/kg	U		59	µg/kg	U		80	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006	STLSL	0.19	µg/kg	U		0.33	µg/kg	U		0.54	µg/kg	U		0.21	µg/kg	U	
299-W15-48	118.5	120.5	B1HK40		4/13/2006	STLSL	0.18	µg/kg	U		0.32	µg/kg	U		0.53	µg/kg	U		0.21	µg/kg	U	
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K941		4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K942		4/17/2006	FIELD																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	WSCF	12	µg/kg	U		12	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006	WSCF	1.4	µg/kg	U		1.4	µg/kg	U		1.4	µg/kg	U		1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006	FIELD																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006	FIELD																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006	FIELD																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006	FIELD																
299-W15-48	128.5	130.5	B1HK59		4/24/2006	WSCF	12	µg/kg	U		12	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006	WSCF	1.3	µg/kg	U		1.3	µg/kg	U		1.3	µg/kg	U		1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K937		4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K939		4/25/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006	WSCF	120	µg/kg	U		120	µg/kg	U		120	µg/kg	U		120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006	WSCF	1.2	µg/kg	U		1.2	µg/kg	U		1.2	µg/kg	U		1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF																
299-W15-48	131.5	133	B1K906	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K907	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K908	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K909	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K934		4/27/2006	FIELD																
299-W15-48	131.5	133	B1K935		4/27/2006	FIELD																
299-W15-48	131.5	133	B1K936		4/27/2006	FIELD																
299-W15-48	135	140	B1HK74	S	5/3/2006	RLNP	190	µg/kg	U		190	µg/kg	U		190	µg/kg	U		190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006	RLNP	3	µg/kg	U		3	µg/kg	U		3	µg/kg	U		3	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006	STLSL	0.18	µg/kg	U		0.32	µg/kg	U		0.52	µg/kg	U		0.2	µg/kg	U	
299-W15-48	139.5	140	B1J7W6		5/8/2006	WSCF																
299-W15-48	135.3	140	B1K910	R	5/4/2006	FIELD																
299-W15-48	135.3	140	B1K911	R	5/4/2006	FIELD																
299-W15-48	135.3	140	B1K912	R	5/4/2006	FIELD																
299-W15-48	135.3	140	B1K913	R	5/4/2006	FIELD																
299-W15-48	139.5	140	B1K914	R	5/8/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006	FIELD																
299-W15-48	139.5	140	B1K916	R	5/8/2006	FIELD																
299-W15-48	139.5	140	B1K917	R	5/8/2006	FIELD																
299-W15-48	139.5	140	B1K931		5/8/2006	FIELD																
299-W15-48	135.3	140	B1K933		5/4/2006	FIELD																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006	WSCF																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006	WSCF																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K926		5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K928		5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K929		5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K927		5/11/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006	FIELD																
299-W15-48	135.25	140	B1K932		5/4/2006	FIELD																
299-W15-48	128.5	130.5	B1K938		4/25/2006	FIELD																
299-W15-48	122.5	124.5	B1K940		4/19/2006	FIELD																
			B1HKY0	EB	4/19/2006	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HK26	FB	3/20/2006	STLSL	42	µg/kg	U		14	µg/kg	U		54	µg/kg	U		72	µg/kg	U	
			B1HK36	FB	3/27/2006	STLSL	42	µg/kg	U		14	µg/kg	U		54	µg/kg	U		72	µg/kg	U	
			B1HK51	FB	4/4/2006	STLSL	42	µg/kg	U		14	µg/kg	U		54	µg/kg	U		72	µg/kg	U	
			B1HK56	FB	4/18/2006	WSCF	250	µg/kg	U		250	µg/kg	U		250	µg/kg	U		250	µg/kg	U	
			B1HK61	FB	4/24/2006	WSCF	250	µg/kg	U		250	µg/kg	U		250	µg/kg	U		250	µg/kg	U	
			B1HK66	FB	4/27/2006	WSCF	130	µg/kg	U		130	µg/kg	U		130	µg/kg	U		130	µg/kg	U	
			B1HK76	FB	5/3/2006	RLNP	320	µg/kg	U		320	µg/kg	U		320	µg/kg	U		320	µg/kg	U	
			B1HKB2	FB	3/13/2006	STLSL	42	µg/kg	U		14	µg/kg	U		54	µg/kg	U		72	µg/kg	U	
			B1HL21	FB	4/6/2006	STLSL	42	µg/kg	U		14	µg/kg	U		54	µg/kg	U		72	µg/kg	U	
			B1HL25	FB	5/3/2006	STLSL	42	µg/kg	U		14	µg/kg	U		54	µg/kg	U		72	µg/kg	U	
			B1HKY9	TB	4/19/2006	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL00	TB	4/25/2006	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL01	TB	4/27/2006	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL03	TB	5/3/2006	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL07	TB	3/22/2006	STLSL	0.15	µg/L	U		0.14	µg/L	U		0.28	µg/L	U		0.95	µg/L	U	
			B1HL10	TB	4/6/2006	STLSL	0.15	µg/L	U		0.14	µg/L	U		0.28	µg/L	U		0.95	µg/L	U	
					TQL (µg/kg)		5				N/A				N/A				10			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethylbenzene (95-63-6)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	0.67	µg/kg	U		0.37	µg/kg	U						0.56	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006	65	µg/kg	U		33	µg/kg	U						90	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006	0.67	µg/kg	U		0.21	µg/kg	U						0.77	µg/kg	U	
299-W15-48	70	72	B1HK29		3/22/2006	61	µg/kg	U		32	µg/kg	U						85	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006	0.69	µg/kg	U		0.21	µg/kg	U						0.79	µg/kg	U	
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006	72	µg/kg	U		37	µg/kg	U						100	µg/kg	U	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethylbenzene (95-63-6)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006	0.87	µg/kg	U		0.27	µg/kg	U						1	µg/kg	U	
299-W15-48	100	102	B1HK49		4/4/2006	64	µg/kg	U		33	µg/kg	U						89	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006	0.85	µg/kg	U		0.26	µg/kg	U						0.97	µg/kg	U	
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006	65	µg/kg	U		33	µg/kg	U						90	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006	0.76	µg/kg	U		0.24	µg/kg	U						0.87	µg/kg	U	
299-W15-48	103	105	B1HL19	R	4/6/2006	64	µg/kg	U		33	µg/kg	U						88	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006	0.75	µg/kg	U		0.23	µg/kg	U						0.86	µg/kg	U	
299-W15-48	118.5	120.5	B1HK40		4/13/2006	0.74	µg/kg	U		0.23	µg/kg	U						0.84	µg/kg	U	
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethylbenzene (95-63-6)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	12	µg/kg	U										12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006	1.4	µg/kg	U										1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006									120	µg/kg	U					
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006	12	µg/kg	U										12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006	1.3	µg/kg	U										1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006									130	µg/kg	U					
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethylbenzene (95-63-6)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006	120	µg/kg	U										120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006	1.2	µg/kg	U										1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006									180	µg/kg	U					
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006	190	µg/kg	U										190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006	3	µg/kg	U										3	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006	0.72	µg/kg	U		0.22	µg/kg	U						0.82	µg/kg	U	
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006																
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethylbenzene (95-63-6)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethylbenzene (95-63-6)				1,2,4-Trimethylbenzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006	1	µg/L	U						3.7	µg/L	U		1	µg/L	U	
			B1HK26	FB	3/20/2006	58	µg/kg	U		30	µg/kg	U						80	µg/kg	U	
			B1HK36	FB	3/27/2006	58	µg/kg	U		30	µg/kg	U						80	µg/kg	U	
			B1HK51	FB	4/4/2006	58	µg/kg	U		30	µg/kg	U						80	µg/kg	U	
			B1HK56	FB	4/18/2006	250	µg/kg	U										250	µg/kg	U	
			B1HK61	FB	4/24/2006	250	µg/kg	U										250	µg/kg	U	
			B1HK66	FB	4/27/2006	130	µg/kg	U										130	µg/kg	U	
			B1HK76	FB	5/3/2006	320	µg/kg	U										320	µg/kg	U	
			B1HKB2	FB	3/13/2006	58	µg/kg	U		30	µg/kg	U						80	µg/kg	U	
			B1HL21	FB	4/6/2006	58	µg/kg	U		30	µg/kg	U						80	µg/kg	U	
			B1HL25	FB	5/3/2006	58	µg/kg	U		30	µg/kg	U						80	µg/kg	U	
			B1HKY9	TB	4/19/2006	1	µg/L	U										1	µg/L	U	
			B1HL00	TB	4/25/2006	1	µg/L	U										1	µg/L	U	
			B1HL01	TB	4/27/2006	1	µg/L	U										1	µg/L	U	
			B1HL03	TB	5/3/2006	1	µg/L	U										1	µg/L	U	
			B1HL07	TB	3/22/2006	0.55	µg/L	U		0.22	µg/L	U						0.44	µg/L	U	
			B1HL10	TB	4/6/2006	0.55	µg/L	U		0.22	µg/L	U						0.44	µg/L	U	
					TQL (µg/kg)	N/A				N/A				N/A				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	1.7	µg/kg	U		0.41	µg/kg	U		9.1	µg/kg	U		0.8	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006	130	µg/kg	U		37	µg/kg	U		4000	µg/kg	J	J	1300	µg/kg		J
299-W15-48	67	69	B1HK25		3/20/2006	0.6	µg/kg	U		0.38	µg/kg	U		75	µg/kg	J		180	µg/kg		
299-W15-48	70	72	B1HK29		3/22/2006	120	µg/kg	U		35	µg/kg	U		4000	µg/kg	J	J	1400	µg/kg		J
299-W15-48	70	72	B1HK30		3/22/2006	0.62	µg/kg	U		0.4	µg/kg	U		34	µg/kg	U		390	µg/kg	E	
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006	140	µg/kg	U		41	µg/kg	U		5700	µg/kg	J	J	1400	µg/kg		J

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006	0.78	µg/kg	U		0.5	µg/kg	U		140	µg/kg			86	µg/kg		
299-W15-48	100	102	B1HK49		4/4/2006	130	µg/kg	U		37	µg/kg	U		4200	µg/kg		J	130	µg/kg	J	J
299-W15-48	100	102	B1HK50		4/4/2006	0.76	µg/kg	U		0.49	µg/kg	U		3800	µg/kg	E		120	µg/kg		
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006	130	µg/kg	U		37	µg/kg	U		4400	µg/kg	J	J	120	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006	0.68	µg/kg	U		0.44	µg/kg	U		2500	µg/kg	E		68	µg/kg		
299-W15-48	103	105	B1HL19	R	4/6/2006	130	µg/kg	U		36	µg/kg	U		5000	µg/kg	J	J	120	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006	0.67	µg/kg	U		0.43	µg/kg	U		3200	µg/kg	E		110	µg/kg		
299-W15-48	118.5	120.5	B1HK40		4/13/2006	0.66	µg/kg	U		0.42	µg/kg	U		36	µg/kg	U		75	µg/kg		
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	12	µg/kg	U		12	µg/kg	U		240	µg/kg	U		1700	µg/kg		J
299-W15-48	122.5	124.5	B1HK55		4/18/2006	1.4	µg/kg	U		1.4	µg/kg	U		27	µg/kg	U		240	µg/kg	E	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006	12	µg/kg	U		12	µg/kg	U		240	µg/kg	U		1500	µg/kg		J
299-W15-48	128.5	130.5	B1HK60		4/24/2006	1.3	µg/kg	U		1.3	µg/kg	U		26	µg/kg	U		39	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006	120	µg/kg	U		120	µg/kg	U		2300	µg/kg	U		1300	µg/kg		J
299-W15-48	131.5	133	B1HK65		4/27/2006	1.2	µg/kg	U		1.2	µg/kg	U		25	µg/kg	U		18	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006	190	µg/kg	U		190	µg/kg	U		9300	µg/kg	U		760	µg/kg		J
299-W15-48	135	140	B1HK75	S	5/3/2006	3	µg/kg	U		3	µg/kg	U		170	µg/kg	U		7	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006	0.64	µg/kg	U		0.41	µg/kg	U		35	µg/kg	U		2.1	µg/kg	J	
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006																
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1HK26	FB	3/20/2006	110	µg/kg	U		33	µg/kg	U		3600	µg/kg	J		1100	µg/kg		
			B1HK36	FB	3/27/2006	110	µg/kg	U		33	µg/kg	U		7100	µg/kg			1100	µg/kg		
			B1HK51	FB	4/4/2006	110	µg/kg	U		33	µg/kg	U		1000	µg/kg	U		1100	µg/kg		
			B1HK56	FB	4/18/2006	250	µg/kg	U		250	µg/kg	U		5000	µg/kg	U		250	µg/kg	U	
			B1HK61	FB	4/24/2006	250	µg/kg	U		250	µg/kg	U		5000	µg/kg	U		250	µg/kg	U	
			B1HK66	FB	4/27/2006	130	µg/kg	U		130	µg/kg	U		2600	µg/kg	U		130	µg/kg	U	
			B1HK76	FB	5/3/2006	320	µg/kg	U		320	µg/kg	U		16000	µg/kg	U		1400	µg/kg		
			B1HKB2	FB	3/13/2006	110	µg/kg	U		33	µg/kg	U		1000	µg/kg	U		1400	µg/kg		
			B1HL21	FB	4/6/2006	110	µg/kg	U		33	µg/kg	U		1000	µg/kg	U		1300	µg/kg		
			B1HL25	FB	5/3/2006	110	µg/kg	U		33	µg/kg	U		1000	µg/kg	U		1100	µg/kg		
			B1HKY9	TB	4/19/2006	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1HL00	TB	4/25/2006	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1HL01	TB	4/27/2006	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1HL03	TB	5/3/2006	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1HL07	TB	3/22/2006	0.54	µg/L	U		0.37	µg/L	U		3.4	µg/L	U		1.4	µg/L	U	
			B1HL10	TB	4/6/2006	0.54	µg/L	U		0.37	µg/L	U		3.4	µg/L	U		1.4	µg/L	U	
					TQL (µg/kg)	10				N/A				5000				10			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Hexanone (591-78-6)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006													1.1	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006	3.73	PPM(V/V)														
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006	3.31	PPM(V/V)														
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006	3.65	PPM(V/V)														
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006	3.32	PPM(V/V)														
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006													130	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006													1.2	µg/kg	U	
299-W15-48	70	72	B1HK29		3/22/2006													120	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006													2.3	µg/kg	J	
299-W15-48	70	72	B1K8X2	R	3/23/2006	1	PPM(V/V)	U													
299-W15-48	70	72	B1K8X3	R	3/23/2006	1.13	PPM(V/V)														
299-W15-48	70	72	B1K8X4	R	3/23/2006	1.14	PPM(V/V)														
299-W15-48	70	72	B1K8X5	R	3/23/2006	1.19	PPM(V/V)														
299-W15-48	70	72	B1K943		3/23/2006																
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006													150	µg/kg	U	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Butanone (78-93-3) B&K, field				2-Butanone (78-93-3) MIRAN, field				2-Butanone (78-93-3) TO-15				2-Hexanone (591-78-6) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006													2.4	µg/kg	J	
299-W15-48	100	102	B1HK49		4/4/2006													130	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006													1.6	µg/kg	U	
299-W15-48	100	102	B1K8X6	R	4/4/2006	6.02	PPM(V/V)														
299-W15-48	100	102	B1K8X7	R	4/4/2006	6.2	PPM(V/V)														
299-W15-48	100	102	B1K8X8	R	4/4/2006	6.05	PPM(V/V)														
299-W15-48	100	102	B1K8X9	R	4/4/2006	5.97	PPM(V/V)														
299-W15-48	103	105	B1HK44	R	4/6/2006													130	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006													1.4	µg/kg	U	
299-W15-48	103	105	B1HL19	R	4/6/2006													130	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006													1.4	µg/kg	U	
299-W15-48	118.5	120.5	B1HK40		4/13/2006													1.4	µg/kg	U	
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006	8.56	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006	8.42	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006	8.61	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006	8.58	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006	2.14	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006	2.14	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006	2.17	PPM(V/V)														

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Butanone (78-93-3) B&K, field				2-Butanone (78-93-3) MIRAN, field				2-Butanone (78-93-3) TO-15				2-Hexanone (591-78-6) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006	2.18	PPM(V/V)														
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006													12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006													1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006	4.76	PPM(V/V)														
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006	4.84	PPM(V/V)														
299-W15-48	122.5	124.5	B1K900	R	4/19/2006	4.96	PPM(V/V)														
299-W15-48	122.5	124.5	B1K901	R	4/19/2006	4.91	PPM(V/V)														
299-W15-48	128.5	130.5	B1HK59		4/24/2006													12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006													1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006	6.59	PPM(V/V)														
299-W15-48	128.5	130.5	B1K903	R	4/25/2006	6.7	PPM(V/V)														
299-W15-48	128.5	130.5	B1K904	R	4/25/2006	7.17	PPM(V/V)														
299-W15-48	128.5	130.5	B1K905	R	4/25/2006	7.02	PPM(V/V)														
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Hexanone (591-78-6)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006													120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006													1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006	6.84	PPM(V/V)														
299-W15-48	131.5	133	B1K907	R	4/27/2006	6.82	PPM(V/V)														
299-W15-48	131.5	133	B1K908	R	4/27/2006	6.97	PPM(V/V)														
299-W15-48	131.5	133	B1K909	R	4/27/2006	7.21	PPM(V/V)														
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006													370	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006													7	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006													1.3	µg/kg	U	
299-W15-48	139.5	140	B1J7W6		5/8/2006									0.4	PPM(V/V)	U					
299-W15-48	135.3	140	B1K910	R	5/4/2006	426	PPM(V/V)														
299-W15-48	135.3	140	B1K911	R	5/4/2006	431	PPM(V/V)														
299-W15-48	135.3	140	B1K912	R	5/4/2006	431	PPM(V/V)														
299-W15-48	135.3	140	B1K913	R	5/4/2006	429	PPM(V/V)														
299-W15-48	139.5	140	B1K914	R	5/8/2006	6.24	PPM(V/V)														

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Hexanone (591-78-6)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006	6.25	PPM(V/V)														
299-W15-48	139.5	140	B1K916	R	5/8/2006	6.73	PPM(V/V)														
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006					485	PPM(V/V)	J									
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006									8	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006									0.04	PPM(V/V)	U					
299-W15-48	139.5	145.5	B1K918	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K919	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K920	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K921	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K922	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K923	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K924	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K925	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Butanone (78-93-3)				2-Hexanone (591-78-6)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006					666	PPM(V/V)	J									
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006													1	µg/L	U	
			B1HK26	FB	3/20/2006													120	µg/kg	U	
			B1HK36	FB	3/27/2006													120	µg/kg	U	
			B1HK51	FB	4/4/2006													120	µg/kg	U	
			B1HK56	FB	4/18/2006													250	µg/kg	U	
			B1HK61	FB	4/24/2006													250	µg/kg	U	
			B1HK66	FB	4/27/2006													130	µg/kg	U	
			B1HK76	FB	5/3/2006													640	µg/kg	U	
			B1HKB2	FB	3/13/2006													120	µg/kg	U	
			B1HL21	FB	4/6/2006													120	µg/kg	U	
			B1HL25	FB	5/3/2006													120	µg/kg	U	
			B1HKY9	TB	4/19/2006													1	µg/L	U	
			B1HL00	TB	4/25/2006													1	µg/L	U	
			B1HL01	TB	4/27/2006													1	µg/L	U	
			B1HL03	TB	5/3/2006													1	µg/L	U	
			B1HL07	TB	3/22/2006													0.28	µg/L	U	
			B1HL10	TB	4/6/2006													0.28	µg/L	U	
					TQL (µg/kg)	10				10				10				N/A			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Pentanone (107-87-9)				2-Pentanone, 4-methyl (108-10-1)				Acetic acid, methyl ester (79-20-9)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					0.85	µg/kg	U						5.2	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006					55	µg/kg	U						1600	µg/kg		J
299-W15-48	67	69	B1HK25		3/20/2006					0.89	µg/kg	U						18	µg/kg	J	
299-W15-48	70	72	B1HK29		3/22/2006					52	µg/kg	U						1500	µg/kg		J
299-W15-48	70	72	B1HK30		3/22/2006					0.92	µg/kg	U						41	µg/kg		
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006					61	µg/kg	U						1500	µg/kg		J

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Pentanone (107-87-9)				2-Pentanone, 4-methyl (108-10-1)				Acetic acid, methyl ester (79-20-9)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006					1.2	µg/kg	U						9.1	µg/kg	J	
299-W15-48	100	102	B1HK49		4/4/2006					54	µg/kg	U						300	µg/kg	JB	J
299-W15-48	100	102	B1HK50		4/4/2006					1.1	µg/kg	U						31	µg/kg	B	
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006					55	µg/kg	U						54	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006					1	µg/kg	U						21	µg/kg	JB	
299-W15-48	103	105	B1HL19	R	4/6/2006					54	µg/kg	U						53	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006					0.99	µg/kg	U						30	µg/kg	B	
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.97	µg/kg	U						27	µg/kg		
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Pentanone (107-87-9)				2-Pentanone, 4-methyl (108-10-1)				Acetic acid, methyl ester (79-20-9)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006					12	µg/kg	U		12000	µg/kg	J		360	µg/kg		J
299-W15-48	122.5	124.5	B1HK55		4/18/2006					1.4	µg/kg	U						130	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006					12	µg/kg	U						1500	µg/kg		J
299-W15-48	128.5	130.5	B1HK60		4/24/2006					1.3	µg/kg	U						67	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Pentanone (107-87-9)				2-Pentanone, 4-methyl (108-10-1)				Acetic acid, methyl ester (79-20-9)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U						2900	µg/kg		J
299-W15-48	131.5	133	B1HK65		4/27/2006					1.2	µg/kg	U						37	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006					370	µg/kg	U		200	µg/kg	NJ		900	µg/kg		J
299-W15-48	135	140	B1HK75	S	5/3/2006					7	µg/kg	U						19	µg/kg		
299-W15-48	135	140	B1HL24	S	5/3/2006					0.95	µg/kg	U						6.1	µg/kg	J	
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006																
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Pentanone (107-87-9)				2-Pentanone, 4-methyl (108-10-1)				Acetic acid, methyl ester (79-20-9)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	2-Pentanone (107-87-9)				2-Pentanone, 4-methyl (108-10-1)				Acetic acid, methyl ester (79-20-9)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006	1	µg/L	U		1	µg/L	U						1	µg/L	U	
			B1HK26	FB	3/20/2006					49	µg/kg	U						1300	µg/kg		
			B1HK36	FB	3/27/2006					49	µg/kg	U						1400	µg/kg		
			B1HK51	FB	4/4/2006					49	µg/kg	U						1000	µg/kg		
			B1HK56	FB	4/18/2006					250	µg/kg	U						3700	µg/kg		
			B1HK61	FB	4/24/2006					250	µg/kg	U						3300	µg/kg		
			B1HK66	FB	4/27/2006					130	µg/kg	U						1700	µg/kg		
			B1HK76	FB	5/3/2006					640	µg/kg	U		300	µg/kg	NJ		1600	µg/kg		
			B1HKB2	FB	3/13/2006					49	µg/kg	U						1700	µg/kg	B	
			B1HL21	FB	4/6/2006					49	µg/kg	U						1400	µg/kg		
			B1HL25	FB	5/3/2006					49	µg/kg	U						1200	µg/kg		
			B1HKY9	TB	4/19/2006					1	µg/L	U						16	µg/L		
			B1HL00	TB	4/25/2006					1	µg/L	U						1	µg/L	U	
			B1HL01	TB	4/27/2006					1	µg/L	U						1	µg/L	U	
			B1HL03	TB	5/3/2006					1	µg/L	U						1	µg/L	U	
			B1HL07	TB	3/22/2006					1.6	µg/L	U						25	µg/L		
			B1HL10	TB	4/6/2006					1.6	µg/L	U						16	µg/L	JB	
					TQL (µg/kg)	N/A				10				N/A				20			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acetone (67-64-1)				Acetonitrile (75-05-8)				Benzene (71-43-2)				Bromodichloro methane (75-27-4)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					9	µg/kg	U		0.44	µg/kg	U		0.32	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006					960	µg/kg	J		55	µg/kg	U		33	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006					5.2	µg/kg	U		0.72	µg/kg	J		0.14	µg/kg	U	
299-W15-48	70	72	B1HK29		3/22/2006					1300	µg/kg	J		52	µg/kg	U		31	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006					5.4	µg/kg	U		3.7	µg/kg	J		0.14	µg/kg	U	
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006					550	µg/kg	U		61	µg/kg	U		37	µg/kg	U	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acetone (67-64-1) TO-15				Acetonitrile (75-05-8) 8260				Benzene (71-43-2) 8260				Bromodichloro methane (75-27-4) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006					6.8	µg/kg	U		0.29	µg/kg	U		0.18	µg/kg	U	
299-W15-48	100	102	B1HK49		4/4/2006					490	µg/kg	U		54	µg/kg	U		32	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006					15	µg/kg	J		0.29	µg/kg	U		0.17	µg/kg	U	
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006					500	µg/kg	U		55	µg/kg	U		33	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006					13	µg/kg	J		1	µg/kg	J		0.16	µg/kg	U	
299-W15-48	103	105	B1HL19	R	4/6/2006					480	µg/kg	U		54	µg/kg	U		32	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006					14	µg/kg	J		0.87	µg/kg	J		0.15	µg/kg	U	
299-W15-48	118.5	120.5	B1HK40		4/13/2006					5.7	µg/kg	U		1.4	µg/kg	J		0.15	µg/kg	U	
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acetone (67-64-1)				Acetonitrile (75-05-8)				Benzene (71-43-2)				Bromodichloro methane (75-27-4)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006					24	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006					2.7	µg/kg	U		1.4	µg/kg	U		1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006					24	µg/kg	U		12	µg/kg	U		12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006					2.6	µg/kg	U		1.3	µg/kg	U		1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acetone (67-64-1)				Acetonitrile (75-05-8)				Benzene (71-43-2)				Bromodichloro methane (75-27-4)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006					230	µg/kg	U		120	µg/kg	U		120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006					64	µg/kg			1.2	µg/kg	U		1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006					750	µg/kg	U		190	µg/kg	U		190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006					13	µg/kg	U		3	µg/kg	U		3	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006					6.6	µg/kg	J		0.24	µg/kg	U		0.15	µg/kg	U	
299-W15-48	139.5	140	B1J7W6		5/8/2006	0.4	PPM(V/V)	U													
299-W15-48	135.3	140	B1K910	R	5/4/2006																
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acetone (67-64-1)				Acetonitrile (75-05-8)				Benzene (71-43-2)				Bromodichloro methane (75-27-4)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006	8	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006	0.04	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Acetone (67-64-1)				Acetonitrile (75-05-8)				Benzene (71-43-2)				Bromodichloro methane (75-27-4)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006					2	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HK26	FB	3/20/2006					440	µg/kg	U		49	µg/kg	U		29	µg/kg	U	
			B1HK36	FB	3/27/2006					1400	µg/kg	J		49	µg/kg	U		29	µg/kg	U	
			B1HK51	FB	4/4/2006					440	µg/kg	U		49	µg/kg	U		29	µg/kg	U	
			B1HK56	FB	4/18/2006					500	µg/kg	U		250	µg/kg	U		250	µg/kg	U	
			B1HK61	FB	4/24/2006					500	µg/kg	U		250	µg/kg	U		250	µg/kg	U	
			B1HK66	FB	4/27/2006					4600	µg/kg			130	µg/kg	U		130	µg/kg	U	
			B1HK76	FB	5/3/2006					1300	µg/kg	U		320	µg/kg	U		320	µg/kg	U	
			B1HKB2	FB	3/13/2006					440	µg/kg	U		49	µg/kg	U		29	µg/kg	U	
			B1HL21	FB	4/6/2006					1700	µg/kg	J		49	µg/kg	U		29	µg/kg	U	
			B1HL25	FB	5/3/2006					440	µg/kg	U		49	µg/kg	U		29	µg/kg	U	
			B1HKY9	TB	4/19/2006					2	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL00	TB	4/25/2006					2	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL01	TB	4/27/2006					2	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL03	TB	5/3/2006					2	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL07	TB	3/22/2006					2	µg/L	U		0.17	µg/L	U		0.33	µg/L	U	
			B1HL10	TB	4/6/2006					2	µg/L	U		0.17	µg/L	U		0.33	µg/L	U	
					TQL (µg/kg)	20				N/A				5				N/A			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bromoform (75-25-2)				Bromomethane (74-83-9)				Butanoic acid methyl ester (623-42-7)				Carbon dioxide (124-38-9)			
						8260				8260				8260				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	0.65	µg/kg	U		0.76	µg/kg	U									
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006													3960	PPM(V/V)		
299-W15-48	52.5	54.5	B1K946		3/14/2006													1880	PPM(V/V)		
299-W15-48	52.5	54.5	B1K947		3/14/2006													2610	PPM(V/V)		
299-W15-48	67	69	B1HK24		3/20/2006	54	µg/kg	U		69	µg/kg	U									
299-W15-48	67	69	B1HK25		3/20/2006	0.2	µg/kg	U		0.43	µg/kg	U									
299-W15-48	70	72	B1HK29		3/22/2006	51	µg/kg	U		65	µg/kg	U									
299-W15-48	70	72	B1HK30		3/22/2006	0.2	µg/kg	U		0.45	µg/kg	U									
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006													121	PPM(V/V)		
299-W15-48	70	72	B1K944		3/23/2006													151	PPM(V/V)		
299-W15-48	73	75	B1HK34		3/27/2006	60	µg/kg	U		77	µg/kg	U									

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bromoform (75-25-2)				Bromomethane (74-83-9)				Butanoic acid methyl ester (623-42-7)				Carbon dioxide (124-38-9)			
						8260				8260				8260				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006	0.26	µg/kg	U		0.56	µg/kg	U									
299-W15-48	100	102	B1HK49		4/4/2006	53	µg/kg	U		68	µg/kg	U									
299-W15-48	100	102	B1HK50		4/4/2006	0.25	µg/kg	U		0.55	µg/kg	U									
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006	54	µg/kg	U		69	µg/kg	U									
299-W15-48	103	105	B1HK45	R	4/6/2006	0.22	µg/kg	U		0.49	µg/kg	U									
299-W15-48	103	105	B1HL19	R	4/6/2006	53	µg/kg	U		68	µg/kg	U									
299-W15-48	103	105	B1HL20	R	4/6/2006	0.22	µg/kg	U		0.48	µg/kg	U									
299-W15-48	118.5	120.5	B1HK40		4/13/2006	0.22	µg/kg	U		0.48	µg/kg	U									
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bromoform (75-25-2)				Bromomethane (74-83-9)				Butanoic acid methyl ester (623-42-7)				Carbon dioxide (124-38-9)			
						8260				8260				8260				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	12	µg/kg	U		12	µg/kg	U		82	µg/kg	J					
299-W15-48	122.5	124.5	B1HK55		4/18/2006	1.4	µg/kg	U		1.4	µg/kg	U									
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006	12	µg/kg	U		12	µg/kg	U									
299-W15-48	128.5	130.5	B1HK60		4/24/2006	1.3	µg/kg	U		1.3	µg/kg	U									
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006													56300	PPM(V/V)		
299-W15-48	128.5	130.5	B1K939		4/25/2006													46400	PPM(V/V)	J	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bromoform (75-25-2)				Bromomethane (74-83-9)				Butanoic acid methyl ester (623-42-7)				Carbon dioxide (124-38-9)			
						8260				8260				8260				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006	120	µg/kg	U		120	µg/kg	U									
299-W15-48	131.5	133	B1HK65		4/27/2006	1.2	µg/kg	U		1.2	µg/kg	U									
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006													9871	PPM(V/V)	J	
299-W15-48	131.5	133	B1K935		4/27/2006													6717	PPM(V/V)		
299-W15-48	131.5	133	B1K936		4/27/2006													2480	PPM(V/V)	J	
299-W15-48	135	140	B1HK74	S	5/3/2006	190	µg/kg	U		370	µg/kg	U									
299-W15-48	135	140	B1HK75	S	5/3/2006	3	µg/kg	U		7	µg/kg	U									
299-W15-48	135	140	B1HL24	S	5/3/2006	0.21	µg/kg	U		0.46	µg/kg	U									
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006																
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bromoform (75-25-2)				Bromomethane (74-83-9)				Butanoic acid methyl ester (623-42-7)				Carbon dioxide (124-38-9)			
						8260				8260				8260				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006													3780	PPM(V/V)	J	
299-W15-48	135.3	140	B1K933		5/4/2006													2800	PPM(V/V)	J	
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006													3424	PPM(V/V)	J	
299-W15-48	139.5	145.5	B1K928		5/9/2006													368	PPM(V/V)		R
299-W15-48	139.5	145.5	B1K929		5/9/2006													360	PPM(V/V)		R
299-W15-48	139.5	145.5	B1K927		5/11/2006													4057	PPM(V/V)	J	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bromoform (75-25-2)				Bromomethane (74-83-9)				Butanoic acid methyl ester (623-42-7)				Carbon dioxide (124-38-9)			
						8260				8260				8260				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006													3790	PPM(V/V)	J	
299-W15-48	135.25	140	B1K932		5/4/2006													2530	PPM(V/V)	J	
299-W15-48	128.5	130.5	B1K938		4/25/2006													62900	PPM(V/V)		
299-W15-48	122.5	124.5	B1K940		4/19/2006													30100	PPM(V/V)		
			B1HKY0	EB	4/19/2006	1	µg/L	U		1	µg/L	U									
			B1HK26	FB	3/20/2006	48	µg/kg	U		62	µg/kg	U									
			B1HK36	FB	3/27/2006	48	µg/kg	U		62	µg/kg	U									
			B1HK51	FB	4/4/2006	48	µg/kg	U		62	µg/kg	U									
			B1HK56	FB	4/18/2006	250	µg/kg	U		250	µg/kg	U									
			B1HK61	FB	4/24/2006	250	µg/kg	U		250	µg/kg	U									
			B1HK66	FB	4/27/2006	130	µg/kg	U		130	µg/kg	U									
			B1HK76	FB	5/3/2006	320	µg/kg	U		640	µg/kg	U									
			B1HKB2	FB	3/13/2006	48	µg/kg	U		62	µg/kg	U									
			B1HL21	FB	4/6/2006	48	µg/kg	U		62	µg/kg	U									
			B1HL25	FB	5/3/2006	48	µg/kg	U		62	µg/kg	U									
			B1HKY9	TB	4/19/2006	1	µg/L	U		1	µg/L	U									
			B1HL00	TB	4/25/2006	1	µg/L	U		1	µg/L	U									
			B1HL01	TB	4/27/2006	1	µg/L	U		1	µg/L	U									
			B1HL03	TB	5/3/2006	1	µg/L	U		1	µg/L	U									
			B1HL07	TB	3/22/2006	0.24	µg/L	U		0.31	µg/L	U									
			B1HL10	TB	4/6/2006	0.24	µg/L	U		0.31	µg/L	U									
					TQL (µg/kg)	N/A				N/A				N/A				0.001			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)			
						8260				8260				B&K, field				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	0.57	µg/kg	U		0.26	µg/kg	U									
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006									6.26	PPM(V/V)						
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006									5.9	PPM(V/V)						
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006									6.19	PPM(V/V)						
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006									5.97	PPM(V/V)						
299-W15-48	52.5	54.5	B1K945		3/14/2006													49.5	PPM(V/V)	J	
299-W15-48	52.5	54.5	B1K946		3/14/2006													17.98	PPM(V/V)	J	
299-W15-48	52.5	54.5	B1K947		3/14/2006													25.7	PPM(V/V)		
299-W15-48	67	69	B1HK24		3/20/2006	74	µg/kg	U		2600	µg/kg										
299-W15-48	67	69	B1HK25		3/20/2006	0.27	µg/kg	U		270	µg/kg	E									
299-W15-48	70	72	B1HK29		3/22/2006	69	µg/kg	U		520	µg/kg										
299-W15-48	70	72	B1HK30		3/22/2006	0.28	µg/kg	U		35	µg/kg										
299-W15-48	70	72	B1K8X2	R	3/23/2006									1.61	PPM(V/V)						
299-W15-48	70	72	B1K8X3	R	3/23/2006									1.55	PPM(V/V)						
299-W15-48	70	72	B1K8X4	R	3/23/2006									1.54	PPM(V/V)						
299-W15-48	70	72	B1K8X5	R	3/23/2006									1.56	PPM(V/V)						
299-W15-48	70	72	B1K943		3/23/2006													1.64	PPM(V/V)		
299-W15-48	70	72	B1K944		3/23/2006													2.2	PPM(V/V)		
299-W15-48	73	75	B1HK34		3/27/2006	82	µg/kg	U		1500	µg/kg										

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)			
						8260				8260				B&K, field				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006	0.35	µg/kg	U		750	µg/kg	E									
299-W15-48	100	102	B1HK49		4/4/2006	72	µg/kg	U		58	µg/kg	U									
299-W15-48	100	102	B1HK50		4/4/2006	0.34	µg/kg	U		0.19	µg/kg	U									
299-W15-48	100	102	B1K8X6	R	4/4/2006									17.8	PPM(V/V)						
299-W15-48	100	102	B1K8X7	R	4/4/2006									17.7	PPM(V/V)						
299-W15-48	100	102	B1K8X8	R	4/4/2006									17.4	PPM(V/V)						
299-W15-48	100	102	B1K8X9	R	4/4/2006									17.3	PPM(V/V)						
299-W15-48	103	105	B1HK44	R	4/6/2006	74	µg/kg	U		59	µg/kg	U									
299-W15-48	103	105	B1HK45	R	4/6/2006	0.3	µg/kg	U		0.17	µg/kg	U									
299-W15-48	103	105	B1HL19	R	4/6/2006	72	µg/kg	U		57	µg/kg	U									
299-W15-48	103	105	B1HL20	R	4/6/2006	0.3	µg/kg	U		0.16	µg/kg	U									
299-W15-48	118.5	120.5	B1HK40		4/13/2006	0.29	µg/kg	U		0.83	µg/kg	J									
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006									5.81	PPM(V/V)						
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006									5.8	PPM(V/V)						
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006									5.82	PPM(V/V)						
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006									5.81	PPM(V/V)						
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006									1.67	PPM(V/V)						
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006									1.61	PPM(V/V)						
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006									1.64	PPM(V/V)						

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)			
						8260				8260				B&K, field				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006									1.65	PPM(V/V)						
299-W15-48	118.5	120.5	B1K941		4/17/2006													1.83	PPM(V/V)		
299-W15-48	118.5	120.5	B1K942		4/17/2006													2.2	PPM(V/V)		
299-W15-48	122.5	124.5	B1HK54		4/18/2006	12	µg/kg	U		470	µg/kg										
299-W15-48	122.5	124.5	B1HK55		4/18/2006	1.4	µg/kg	U		150	µg/kg	E									
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006									387	PPM(V/V)						
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006									383	PPM(V/V)						
299-W15-48	122.5	124.5	B1K900	R	4/19/2006									394	PPM(V/V)						
299-W15-48	122.5	124.5	B1K901	R	4/19/2006									390	PPM(V/V)						
299-W15-48	128.5	130.5	B1HK59		4/24/2006	12	µg/kg	U		6300	µg/kg										
299-W15-48	128.5	130.5	B1HK60		4/24/2006	1.3	µg/kg	U		150	µg/kg	E									
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006									377	PPM(V/V)						
299-W15-48	128.5	130.5	B1K903	R	4/25/2006									384	PPM(V/V)						
299-W15-48	128.5	130.5	B1K904	R	4/25/2006									403	PPM(V/V)						
299-W15-48	128.5	130.5	B1K905	R	4/25/2006									397	PPM(V/V)						
299-W15-48	128.5	130.5	B1K937		4/25/2006													432	PPM(V/V)		
299-W15-48	128.5	130.5	B1K939		4/25/2006													230.1	PPM(V/V)	J	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)			
						8260				8260				B&K, field				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006	120	µg/kg	U		1300	µg/kg										
299-W15-48	131.5	133	B1HK65		4/27/2006	1.2	µg/kg	U		4100	µg/kg										
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006									61.9	PPM(V/V)						
299-W15-48	131.5	133	B1K907	R	4/27/2006									62.1	PPM(V/V)						
299-W15-48	131.5	133	B1K908	R	4/27/2006									63.6	PPM(V/V)						
299-W15-48	131.5	133	B1K909	R	4/27/2006									63.4	PPM(V/V)						
299-W15-48	131.5	133	B1K934		4/27/2006													17.2	PPM(V/V)	J	
299-W15-48	131.5	133	B1K935		4/27/2006													27	PPM(V/V)		
299-W15-48	131.5	133	B1K936		4/27/2006													55.7	PPM(V/V)	J	
299-W15-48	135	140	B1HK74	S	5/3/2006	190	µg/kg	U		190	µg/kg	U									
299-W15-48	135	140	B1HK75	S	5/3/2006	3	µg/kg	U		3	µg/kg	U									
299-W15-48	135	140	B1HL24	S	5/3/2006	0.28	µg/kg	U		0.16	µg/kg	U									
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006									1.46	PPM(V/V)						
299-W15-48	135.3	140	B1K911	R	5/4/2006									2.28	PPM(V/V)						
299-W15-48	135.3	140	B1K912	R	5/4/2006									1.85	PPM(V/V)						
299-W15-48	135.3	140	B1K913	R	5/4/2006									1.76	PPM(V/V)						
299-W15-48	139.5	140	B1K914	R	5/8/2006									313	PPM(V/V)						

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)			
						8260				8260				B&K, field				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006									100	PPM(V/V)	E					
299-W15-48	139.5	140	B1K916	R	5/8/2006									100	PPM(V/V)	E					
299-W15-48	139.5	140	B1K917	R	5/8/2006									317	PPM(V/V)						
299-W15-48	139.5	140	B1K931		5/8/2006													125.9	PPM(V/V)	J	
299-W15-48	135.3	140	B1K933		5/4/2006													67.31	PPM(V/V)	J	
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006									1	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1K919	R	5/9/2006									1	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1K920	R	5/9/2006									1	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1K921	R	5/9/2006									1	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1K922	R	5/11/2006									8.03	PPM(V/V)						
299-W15-48	139.5	145.5	B1K923	R	5/11/2006									7.87	PPM(V/V)						
299-W15-48	139.5	145.5	B1K924	R	5/11/2006									7.97	PPM(V/V)						
299-W15-48	139.5	145.5	B1K925	R	5/11/2006									7.91	PPM(V/V)						
299-W15-48	139.5	145.5	B1K926		5/11/2006													9.21	PPM(V/V)	J	
299-W15-48	139.5	145.5	B1K928		5/9/2006													0.05	PPM(V/V)	U	UR
299-W15-48	139.5	145.5	B1K929		5/9/2006													0.05	PPM(V/V)	U	UR
299-W15-48	139.5	145.5	B1K927		5/11/2006													9.66	PPM(V/V)	J	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)				Carbon tetrachloride (56-23-5)			
						8260				8260				B&K, field				MIRAN, field			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006													107.25	PPM(V/V)	J	
299-W15-48	135.25	140	B1K932		5/4/2006													56.74	PPM(V/V)	J	
299-W15-48	128.5	130.5	B1K938		4/25/2006													431	PPM(V/V)		
299-W15-48	122.5	124.5	B1K940		4/19/2006													112	PPM(V/V)	J	
			B1HKY0	EB	4/19/2006	1	µg/L	U		1	µg/L	U									
			B1HK26	FB	3/20/2006	65	µg/kg	U		52	µg/kg	U									
			B1HK36	FB	3/27/2006	65	µg/kg	U		52	µg/kg	U									
			B1HK51	FB	4/4/2006	65	µg/kg	U		52	µg/kg	U									
			B1HK56	FB	4/18/2006	250	µg/kg	U		250	µg/kg	U									
			B1HK61	FB	4/24/2006	250	µg/kg	U		250	µg/kg	U									
			B1HK66	FB	4/27/2006	130	µg/kg	U		130	µg/kg	U									
			B1HK76	FB	5/3/2006	320	µg/kg	U		320	µg/kg	U									
			B1HKB2	FB	3/13/2006	65	µg/kg	U		52	µg/kg	U									
			B1HL21	FB	4/6/2006	65	µg/kg	U		52	µg/kg	U									
			B1HL25	FB	5/3/2006	65	µg/kg	U		52	µg/kg	U									
			B1HKY9	TB	4/19/2006	1	µg/L	U		1	µg/L	U									
			B1HL00	TB	4/25/2006	1	µg/L	U		1	µg/L	U									
			B1HL01	TB	4/27/2006	1	µg/L	U		1	µg/L	U									
			B1HL03	TB	5/3/2006	1	µg/L	U		1	µg/L	U									
			B1HL07	TB	3/22/2006	0.39	µg/L	U		0.9	µg/L	U									
			B1HL10	TB	4/6/2006	0.39	µg/L	U		0.9	µg/L	U									
					TQL (µg/kg)	N/A				5				5				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)				Chloroform (67-66-3)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					0.57	µg/kg	U		0.78	µg/kg	U		0.52	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006					36	µg/kg	U		24	µg/kg	U		110	µg/kg	J	
299-W15-48	67	69	B1HK25		3/20/2006					0.13	µg/kg	U		0.55	µg/kg	U		16	µg/kg		
299-W15-48	70	72	B1HK29		3/22/2006					34	µg/kg	U		22	µg/kg	U		76	µg/kg	J	
299-W15-48	70	72	B1HK30		3/22/2006					0.13	µg/kg	U		0.57	µg/kg	U		2.2	µg/kg	J	
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006					40	µg/kg	U		26	µg/kg	U		53	µg/kg	U	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)				Chloroform (67-66-3)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006					0.17	µg/kg	U		0.72	µg/kg	U		34	µg/kg		
299-W15-48	100	102	B1HK49		4/4/2006					35	µg/kg	U		23	µg/kg	U		47	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006					0.16	µg/kg	U		0.7	µg/kg	U		0.29	µg/kg	U	
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006					36	µg/kg	U		24	µg/kg	U		47	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006					0.15	µg/kg	U		0.63	µg/kg	U		0.26	µg/kg	U	
299-W15-48	103	105	B1HL19	R	4/6/2006					35	µg/kg	U		23	µg/kg	U		46	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006					0.14	µg/kg	U		0.62	µg/kg	U		0.25	µg/kg	U	
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.14	µg/kg	U		0.61	µg/kg	U		0.25	µg/kg	U	
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)				Chloroform (67-66-3)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006					12	µg/kg	U		12	µg/kg	U		24	µg/kg	J	
299-W15-48	122.5	124.5	B1HK55		4/18/2006					1.4	µg/kg	U		1.4	µg/kg	U		9.3	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006					12	µg/kg	U		12	µg/kg	U		170	µg/kg		
299-W15-48	128.5	130.5	B1HK60		4/24/2006					1.3	µg/kg	U		1.3	µg/kg	U		250	µg/kg	E	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)				Chloroform (67-66-3)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U		120	µg/kg	U		120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006					1.2	µg/kg	U		1.2	µg/kg	U		360	µg/kg		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006					190	µg/kg	U		370	µg/kg	U		190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006					3	µg/kg	U		7	µg/kg	U		3	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006					0.14	µg/kg	U		0.59	µg/kg	U		0.24	µg/kg	U	
299-W15-48	139.5	140	B1J7W6		5/8/2006	150	PPM(V/V)														
299-W15-48	135.3	140	B1K910	R	5/4/2006																
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)				Chloroform (67-66-3)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006	20	PPM(V/V)		R												
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006	3.5	PPM(V/V)														
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)				Chloroethane (75-00-3)				Chloroform (67-66-3)			
						TO-15				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006					1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HK26	FB	3/20/2006					32	µg/kg	U		21	µg/kg	U		42	µg/kg	U	
			B1HK36	FB	3/27/2006					32	µg/kg	U		21	µg/kg	U		42	µg/kg	U	
			B1HK51	FB	4/4/2006					32	µg/kg	U		21	µg/kg	U		42	µg/kg	U	
			B1HK56	FB	4/18/2006					250	µg/kg	U		250	µg/kg	U		250	µg/kg	U	
			B1HK61	FB	4/24/2006					250	µg/kg	U		250	µg/kg	U		250	µg/kg	U	
			B1HK66	FB	4/27/2006					130	µg/kg	U		130	µg/kg	U		130	µg/kg	U	
			B1HK76	FB	5/3/2006					320	µg/kg	U		640	µg/kg	U		320	µg/kg	U	
			B1HKB2	FB	3/13/2006					32	µg/kg	U		21	µg/kg	U		42	µg/kg	U	
			B1HL21	FB	4/6/2006					32	µg/kg	U		21	µg/kg	U		42	µg/kg	U	
			B1HL25	FB	5/3/2006					32	µg/kg	U		21	µg/kg	U		42	µg/kg	U	
			B1HKY9	TB	4/19/2006					1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL00	TB	4/25/2006					1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL01	TB	4/27/2006					1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL03	TB	5/3/2006					1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1HL07	TB	3/22/2006					0.12	µg/L	U		0.35	µg/L	U		0.14	µg/L	U	
			B1HL10	TB	4/6/2006					0.12	µg/L	U		0.35	µg/L	U		0.14	µg/L	U	
					TQL (µg/kg)	5				5				N/A				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloroform (67-66-3)				Chloroform (67-66-3)				Chloroform (67-66-3)				Chloromethane (74-87-3)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006													0.97	µg/kg	U	
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006	2.69	PPM(V/V)														
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006	2.65	PPM(V/V)														
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006	2.9	PPM(V/V)														
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006	2.62	PPM(V/V)														
299-W15-48	52.5	54.5	B1K945		3/14/2006					0.07	PPM(V/V)	U									
299-W15-48	52.5	54.5	B1K946		3/14/2006					0.07	PPM(V/V)	U									
299-W15-48	52.5	54.5	B1K947		3/14/2006					9.28	PPM(V/V)										
299-W15-48	67	69	B1HK24		3/20/2006													57	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006													0.25	µg/kg	U	
299-W15-48	70	72	B1HK29		3/22/2006													54	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006													0.25	µg/kg	U	
299-W15-48	70	72	B1K8X2	R	3/23/2006	1.36	PPM(V/V)														
299-W15-48	70	72	B1K8X3	R	3/23/2006	1.12	PPM(V/V)														
299-W15-48	70	72	B1K8X4	R	3/23/2006	1.1	PPM(V/V)														
299-W15-48	70	72	B1K8X5	R	3/23/2006	1.15	PPM(V/V)														
299-W15-48	70	72	B1K943		3/23/2006					0.07	PPM(V/V)	U									
299-W15-48	70	72	B1K944		3/23/2006					0.07	PPM(V/V)	U									
299-W15-48	73	75	B1HK34		3/27/2006													63	µg/kg	U	

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloroform (67-66-3)				Chloroform (67-66-3)				Chloroform (67-66-3)				Chloromethane (74-87-3)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	73	75	B1HK35		3/27/2006													0.32	µg/kg	U	
299-W15-48	100	102	B1HK49		4/4/2006													56	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006													0.31	µg/kg	U	
299-W15-48	100	102	B1K8X6	R	4/4/2006	2.16	PPM(V/V)														
299-W15-48	100	102	B1K8X7	R	4/4/2006	1.51	PPM(V/V)														
299-W15-48	100	102	B1K8X8	R	4/4/2006	1.49	PPM(V/V)														
299-W15-48	100	102	B1K8X9	R	4/4/2006	1.71	PPM(V/V)														
299-W15-48	103	105	B1HK44	R	4/6/2006													57	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006													0.28	µg/kg	U	
299-W15-48	103	105	B1HL19	R	4/6/2006													56	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006													0.27	µg/kg	U	
299-W15-48	118.5	120.5	B1HK40		4/13/2006													0.27	µg/kg	U	
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006	5.2	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006	5.27	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006	5.02	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006	5.18	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006	2	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006	1.95	PPM(V/V)														
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006	1.72	PPM(V/V)														

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) B&K, field				Chloroform (67-66-3) MIRAN, field				Chloroform (67-66-3) TO-15				Chloromethane (74-87-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006	1.68	PPM(V/V)														
299-W15-48	118.5	120.5	B1K941		4/17/2006					0.07	PPM(V/V)	U									
299-W15-48	118.5	120.5	B1K942		4/17/2006					0.07	PPM(V/V)	U									
299-W15-48	122.5	124.5	B1HK54		4/18/2006													12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006													1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006	2.57	PPM(V/V)														
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006	2.57	PPM(V/V)														
299-W15-48	122.5	124.5	B1K900	R	4/19/2006	2.27	PPM(V/V)														
299-W15-48	122.5	124.5	B1K901	R	4/19/2006	2.45	PPM(V/V)														
299-W15-48	128.5	130.5	B1HK59		4/24/2006													12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006													1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006	10.1	PPM(V/V)														
299-W15-48	128.5	130.5	B1K903	R	4/25/2006	10.2	PPM(V/V)														
299-W15-48	128.5	130.5	B1K904	R	4/25/2006	10.6	PPM(V/V)														
299-W15-48	128.5	130.5	B1K905	R	4/25/2006	10.7	PPM(V/V)														
299-W15-48	128.5	130.5	B1K937		4/25/2006					71.9	PPM(V/V)										
299-W15-48	128.5	130.5	B1K939		4/25/2006					0.07	PPM(V/V)	U									

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) B&K, field				Chloroform (67-66-3) MIRAN, field				Chloroform (67-66-3) TO-15				Chloromethane (74-87-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	131.5	133	B1HK64		4/27/2006													120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006													1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006	6.55	PPM(V/V)														
299-W15-48	131.5	133	B1K907	R	4/27/2006	6.63	PPM(V/V)														
299-W15-48	131.5	133	B1K908	R	4/27/2006	6.44	PPM(V/V)														
299-W15-48	131.5	133	B1K909	R	4/27/2006	6.34	PPM(V/V)														
299-W15-48	131.5	133	B1K934		4/27/2006					0.07	PPM(V/V)	U									
299-W15-48	131.5	133	B1K935		4/27/2006					0.07	PPM(V/V)	U									
299-W15-48	131.5	133	B1K936		4/27/2006					0.07	PPM(V/V)	U									
299-W15-48	135	140	B1HK74	S	5/3/2006													370	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006													7	µg/kg	U	
299-W15-48	135	140	B1HL24	S	5/3/2006													0.26	µg/kg	U	
299-W15-48	139.5	140	B1J7W6		5/8/2006									1.6	PPM(V/V)						
299-W15-48	135.3	140	B1K910	R	5/4/2006	800	PPM(V/V)		J												
299-W15-48	135.3	140	B1K911	R	5/4/2006	798	PPM(V/V)		J												
299-W15-48	135.3	140	B1K912	R	5/4/2006	817	PPM(V/V)		J												
299-W15-48	135.3	140	B1K913	R	5/4/2006	819	PPM(V/V)		J												
299-W15-48	139.5	140	B1K914	R	5/8/2006	5.39	PPM(V/V)														

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloroform (67-66-3) B&K, field				Chloroform (67-66-3) MIRAN, field				Chloroform (67-66-3) TO-15				Chloromethane (74-87-3) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006	5.3	PPM(V/V)														
299-W15-48	139.5	140	B1K916	R	5/8/2006	5.44	PPM(V/V)														
299-W15-48	139.5	140	B1K917	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006					0.07	PPM(V/V)	U									
299-W15-48	135.3	140	B1K933		5/4/2006					0.07	PPM(V/V)	U									
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006									8	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006									0.06	PPM(V/V)						
299-W15-48	139.5	145.5	B1K918	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K919	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K920	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K921	R	5/9/2006	1	PPM(V/V)	U	UR												
299-W15-48	139.5	145.5	B1K922	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K923	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K924	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K925	R	5/11/2006	1	PPM(V/V)	U													
299-W15-48	139.5	145.5	B1K926		5/11/2006					0.07	PPM(V/V)	U									
299-W15-48	139.5	145.5	B1K928		5/9/2006					0.07	PPM(V/V)	U	UR								
299-W15-48	139.5	145.5	B1K929		5/9/2006					0.07	PPM(V/V)	U	UR								
299-W15-48	139.5	145.5	B1K927		5/11/2006					0.07	PPM(V/V)	U									

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloroform (67-66-3)				Chloroform (67-66-3)				Chloroform (67-66-3)				Chloromethane (74-87-3)			
						B&K, field				MIRAN, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	145.5	B1K930		5/8/2006					0.07	PPM(V/V)	U									
299-W15-48	135.25	140	B1K932		5/4/2006					0.07	PPM(V/V)	U									
299-W15-48	128.5	130.5	B1K938		4/25/2006					95.75	PPM(V/V)										
299-W15-48	122.5	124.5	B1K940		4/19/2006					0.07	PPM(V/V)	U									
			B1HKY0	EB	4/19/2006													1	µg/L	U	
			B1HK26	FB	3/20/2006													51	µg/kg	U	
			B1HK36	FB	3/27/2006													51	µg/kg	U	
			B1HK51	FB	4/4/2006													51	µg/kg	U	
			B1HK56	FB	4/18/2006													250	µg/kg	U	
			B1HK61	FB	4/24/2006													250	µg/kg	U	
			B1HK66	FB	4/27/2006													130	µg/kg	U	
			B1HK76	FB	5/3/2006													640	µg/kg	U	
			B1HKB2	FB	3/13/2006													51	µg/kg	U	
			B1HL21	FB	4/6/2006													51	µg/kg	U	
			B1HL25	FB	5/3/2006													51	µg/kg	U	
			B1HKY9	TB	4/19/2006													1	µg/L	U	
			B1HL00	TB	4/25/2006													1	µg/L	U	
			B1HL01	TB	4/27/2006													1	µg/L	U	
			B1HL03	TB	5/3/2006													1	µg/L	U	
			B1HL07	TB	3/22/2006													0.44	µg/L	U	
			B1HL10	TB	4/6/2006													0.44	µg/L	U	
					TQL (µg/kg)	5				5				5				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	STLSL					0.45	µg/kg	U		14	µg/kg	U					
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL																
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K945		3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K946		3/14/2006	FIELD																
299-W15-48	52.5	54.5	B1K947		3/14/2006	FIELD																
299-W15-48	67	69	B1HK24		3/20/2006	STLSL					15	µg/kg	U		850	µg/kg	U					
299-W15-48	67	69	B1HK25		3/20/2006	STLSL					0.15	µg/kg	U		30	µg/kg	U					
299-W15-48	67	69	B1HK27		3/20/2006	STLSL																
299-W15-48	70	72	B1HK29		3/22/2006	STLSL					14	µg/kg	U		800	µg/kg	U					
299-W15-48	70	72	B1HK30		3/22/2006	STLSL					0.15	µg/kg	U		31	µg/kg	U					
299-W15-48	70	72	B1HK32		3/22/2006	STLSL																
299-W15-48	70	72	B1K8X2	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K8X3	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K8X4	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K8X5	R	3/23/2006	FIELD																
299-W15-48	70	72	B1K943		3/23/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006	FIELD																
299-W15-48	73	75	B1HK34		3/27/2006	STLSL					16	µg/kg	U		950	µg/kg	U					
299-W15-48	73	75	B1HK35		3/27/2006	STLSL					0.19	µg/kg	U		39	µg/kg	U					
299-W15-48	100	102	B1HK49		4/4/2006	STLSL					15	µg/kg	U		840	µg/kg	U					
299-W15-48	100	102	B1HK50		4/4/2006	STLSL					0.19	µg/kg	U		38	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006	STLSL																
299-W15-48	100	102	B1K8X6	R	4/4/2006	FIELD																
299-W15-48	100	102	B1K8X7	R	4/4/2006	FIELD																
299-W15-48	100	102	B1K8X8	R	4/4/2006	FIELD																
299-W15-48	100	102	B1K8X9	R	4/4/2006	FIELD																
299-W15-48	103	105	B1HK44	R	4/6/2006	STLSL					15	µg/kg	U		850	µg/kg	U					
299-W15-48	103	105	B1HK45	R	4/6/2006	STLSL					0.17	µg/kg	U		34	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HL19	R	4/6/2006	STLSL					15	µg/kg	U		830	µg/kg	U					
299-W15-48	103	105	B1HL20	R	4/6/2006	STLSL					0.16	µg/kg	U		33	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL																
299-W15-48	118.5	120.5	B1HK40		4/13/2006	STLSL					0.16	µg/kg	U		33	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL																
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K941		4/17/2006	FIELD																
299-W15-48	118.5	120.5	B1K942		4/17/2006	FIELD																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	WSCF					12	µg/kg	U									
299-W15-48	122.5	124.5	B1HK55		4/18/2006	WSCF					1.4	µg/kg	U									
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF													140	µg/kg	U	
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006	FIELD																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006	FIELD																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006	FIELD																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006	FIELD																
299-W15-48	128.5	130.5	B1HK59		4/24/2006	WSCF					12	µg/kg	U									
299-W15-48	128.5	130.5	B1HK60		4/24/2006	WSCF					1.3	µg/kg	U									
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF													140	µg/kg	U	
299-W15-48	128.5	130.5	B1K902	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K937		4/25/2006	FIELD																
299-W15-48	128.5	130.5	B1K939		4/25/2006	FIELD																
299-W15-48	131.5	133	B1HK64		4/27/2006	WSCF					120	µg/kg	U									
299-W15-48	131.5	133	B1HK65		4/27/2006	WSCF					1.2	µg/kg	U									
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF													180	µg/kg	U	
299-W15-48	131.5	133	B1K906	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K907	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K908	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K909	R	4/27/2006	FIELD																
299-W15-48	131.5	133	B1K934		4/27/2006	FIELD																
299-W15-48	131.5	133	B1K935		4/27/2006	FIELD																
299-W15-48	131.5	133	B1K936		4/27/2006	FIELD																
299-W15-48	135	140	B1HK74	S	5/3/2006	RLNP	190	µg/kg	U		190	µg/kg	U									
299-W15-48	135	140	B1HK75	S	5/3/2006	RLNP	3	µg/kg	U		3	µg/kg	U									
299-W15-48	135	140	B1HK77	S	5/3/2006	RLNP																
299-W15-48	135	140	B1HL24	S	5/3/2006	STLSL					0.16	µg/kg	U		32	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL																
299-W15-48	139.5	140	B1J7W6		5/8/2006	WSCF																
299-W15-48	135.3	140	B1K910	R	5/4/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006	FIELD																
299-W15-48	135.3	140	B1K912	R	5/4/2006	FIELD																
299-W15-48	135.3	140	B1K913	R	5/4/2006	FIELD																
299-W15-48	139.5	140	B1K914	R	5/8/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006	FIELD																
299-W15-48	139.5	140	B1K916	R	5/8/2006	FIELD																
299-W15-48	139.5	140	B1K931		5/8/2006	FIELD																
299-W15-48	135.3	140	B1K933		5/4/2006	FIELD																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006	WSCF																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006	WSCF																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K926		5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K928		5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K929		5/9/2006	FIELD																
299-W15-48	139.5	145.5	B1K927		5/11/2006	FIELD																
299-W15-48	139.5	145.5	B1K930		5/8/2006	FIELD																
299-W15-48	135.25	140	B1K932		5/4/2006	FIELD																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	cis-1,2-Dichloroethylene (156-59-2)				cis-1,3-Dichloropropene (10061-01-5)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
							8260				8260				8260				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006	FIELD																
299-W15-48	122.5	124.5	B1K940		4/19/2006	FIELD																
			B1HKY0	EB	4/19/2006	WSCF					1	µg/L	U						0.85	µg/L	U	
			B1HK26	FB	3/20/2006	STLSL					13	µg/kg	U		760	µg/kg	U					
			B1HK36	FB	3/27/2006	STLSL					13	µg/kg	U		760	µg/kg	U					
			B1HK51	FB	4/4/2006	STLSL					13	µg/kg	U		760	µg/kg	U					
			B1HK56	FB	4/18/2006	WSCF					250	µg/kg	U									
			B1HK61	FB	4/24/2006	WSCF					250	µg/kg	U									
			B1HK66	FB	4/27/2006	WSCF					130	µg/kg	U									
			B1HK76	FB	5/3/2006	RLNP	320	µg/kg	U		320	µg/kg	U									
			B1HKB2	FB	3/13/2006	STLSL					13	µg/kg	U		760	µg/kg	U					
			B1HL21	FB	4/6/2006	STLSL					13	µg/kg	U		760	µg/kg	U					
			B1HL25	FB	5/3/2006	STLSL					13	µg/kg	U		760	µg/kg	U					
			B1HKY9	TB	4/19/2006	WSCF					1	µg/L	U									
			B1HL00	TB	4/25/2006	WSCF					1	µg/L	U									
			B1HL01	TB	4/27/2006	WSCF					1	µg/L	U									
			B1HL03	TB	5/3/2006	WSCF					1	µg/L	U									
			B1HL07	TB	3/22/2006	STLSL					0.73	µg/L	U		14	µg/L	U					
			B1HL10	TB	4/6/2006	STLSL					0.73	µg/L	U		14	µg/L	U					
					TQL (µg/kg)		10				N/A				N/A				N/A			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					0.27	µg/kg	U		0.32	µg/kg	U					
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006					32	µg/kg	U		54	µg/kg	U		4200	µg/kg		
299-W15-48	67	69	B1HK25		3/20/2006					0.33	µg/kg	U		0.17	µg/kg	U		850	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK29		3/22/2006					30	µg/kg	U		51	µg/kg	U		20000	µg/kg		
299-W15-48	70	72	B1HK30		3/22/2006					0.35	µg/kg	U		0.17	µg/kg	U		240	µg/kg		
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006					35	µg/kg	U		60	µg/kg	U					
299-W15-48	73	75	B1HK35		3/27/2006					0.44	µg/kg	U		0.8	µg/kg	J		1000	µg/kg		
299-W15-48	100	102	B1HK49		4/4/2006					31	µg/kg	U		53	µg/kg	U					
299-W15-48	100	102	B1HK50		4/4/2006					0.42	µg/kg	U		0.21	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006					32	µg/kg	U		54	µg/kg	U					
299-W15-48	103	105	B1HK45	R	4/6/2006					0.38	µg/kg	U		0.19	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL19	R	4/6/2006					31	µg/kg	U		53	µg/kg	U					
299-W15-48	103	105	B1HL20	R	4/6/2006					0.37	µg/kg	U		0.19	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.37	µg/kg	U		0.18	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	750	µg/kg	J		12	µg/kg	U		12	µg/kg	U					
299-W15-48	122.5	124.5	B1HK55		4/18/2006					1.4	µg/kg	U		1.4	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006	880	µg/kg	J		12	µg/kg	U		12	µg/kg	U					
299-W15-48	128.5	130.5	B1HK60		4/24/2006					1.3	µg/kg	U		1.3	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U		120	µg/kg	U					
299-W15-48	131.5	133	B1HK65		4/27/2006					1.2	µg/kg	U		1.2	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006					190	µg/kg	U		190	µg/kg	U					
299-W15-48	135	140	B1HK75	S	5/3/2006					3	µg/kg	U		3	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL24	S	5/3/2006					0.36	µg/kg	U		0.18	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Decane (124-18-5)				Dibromochloro methane (124-48-1)				Ethylbenzene (100-41-4)				Hexachloroethane (67-72-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006					1	µg/L	U		1	µg/L	U					
			B1HK26	FB	3/20/2006					28	µg/kg	U		48	µg/kg	U					
			B1HK36	FB	3/27/2006					28	µg/kg	U		48	µg/kg	U					
			B1HK51	FB	4/4/2006					28	µg/kg	U		48	µg/kg	U					
			B1HK56	FB	4/18/2006					250	µg/kg	U		250	µg/kg	U					
			B1HK61	FB	4/24/2006					250	µg/kg	U		250	µg/kg	U					
			B1HK66	FB	4/27/2006					130	µg/kg	U		130	µg/kg	U					
			B1HK76	FB	5/3/2006					320	µg/kg	U		320	µg/kg	U					
			B1HKB2	FB	3/13/2006					28	µg/kg	U		48	µg/kg	U					
			B1HL21	FB	4/6/2006					28	µg/kg	U		48	µg/kg	U					
			B1HL25	FB	5/3/2006					28	µg/kg	U		48	µg/kg	U					
			B1HKY9	TB	4/19/2006					1	µg/L	U		1	µg/L	U					
			B1HL00	TB	4/25/2006					1	µg/L	U		1	µg/L	U					
			B1HL01	TB	4/27/2006					1	µg/L	U		1	µg/L	U					
			B1HL03	TB	5/3/2006					1	µg/L	U		1	µg/L	U					
			B1HL07	TB	3/22/2006					0.29	µg/L	U		0.19	µg/L	U					
			B1HL10	TB	4/6/2006					0.29	µg/L	U		0.19	µg/L	U					
					TQL (µg/kg)	N/A				N/A				5				N/A			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					0.8	µg/kg	U									
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	35	µg/kg	U													
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006									1.5	PPM(V/V)	U					
299-W15-48	52.5	54.5	B1K946		3/14/2006									1.5	PPM(V/V)	U					
299-W15-48	52.5	54.5	B1K947		3/14/2006									1.5	PPM(V/V)	U					
299-W15-48	67	69	B1HK24		3/20/2006					84	µg/kg	U									
299-W15-48	67	69	B1HK25		3/20/2006					0.32	µg/kg	U									
299-W15-48	67	69	B1HK27		3/20/2006	89	µg/kg	J													
299-W15-48	70	72	B1HK29		3/22/2006					79	µg/kg	U									
299-W15-48	70	72	B1HK30		3/22/2006					3.4	µg/kg	J									
299-W15-48	70	72	B1HK32		3/22/2006	3300	µg/kg														
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006									9	PPM(V/V)						

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006									14	PPM(V/V)						
299-W15-48	73	75	B1HK34		3/27/2006					93	µg/kg	U									
299-W15-48	73	75	B1HK35		3/27/2006					0.42	µg/kg	U									
299-W15-48	100	102	B1HK49		4/4/2006					82	µg/kg	U									
299-W15-48	100	102	B1HK50		4/4/2006					0.41	µg/kg	U									
299-W15-48	100	102	B1HK52		4/4/2006	36	µg/kg	U													
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006					83	µg/kg	U									
299-W15-48	103	105	B1HK45	R	4/6/2006					0.37	µg/kg	U									
299-W15-48	103	105	B1HK47	R	4/6/2006	36	µg/kg	U													
299-W15-48	103	105	B1HL19	R	4/6/2006					82	µg/kg	U									
299-W15-48	103	105	B1HL20	R	4/6/2006					0.36	µg/kg	U									
299-W15-48	103	105	B1HL22	R	4/6/2006	36	µg/kg	U													
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.36	µg/kg	U									
299-W15-48	118.5	120.5	B1HK42		4/13/2006	36	µg/kg	U													
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006									1.5	PPM(V/V)	U					
299-W15-48	118.5	120.5	B1K942		4/17/2006									1.5	PPM(V/V)	U					
299-W15-48	122.5	124.5	B1HK54		4/18/2006					12	µg/kg	U									
299-W15-48	122.5	124.5	B1HK55		4/18/2006					1.4	µg/kg	U									
299-W15-48	122.5	124.5	B1HK57		4/18/2006	430	µg/kg	U													
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006					12	µg/kg	U						84	µg/kg	J	
299-W15-48	128.5	130.5	B1HK60		4/24/2006					1.3	µg/kg	U									
299-W15-48	128.5	130.5	B1HK62		4/24/2006	450	µg/kg	U													
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006									1.5	PPM(V/V)	U					
299-W15-48	128.5	130.5	B1K939		4/25/2006									1.5	PPM(V/V)	U					
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U									
299-W15-48	131.5	133	B1HK65		4/27/2006					1.2	µg/kg	U									
299-W15-48	131.5	133	B1HK67		4/27/2006	300	µg/kg	U													
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006									1.5	PPM(V/V)	U					
299-W15-48	131.5	133	B1K935		4/27/2006									1.5	PPM(V/V)	U					
299-W15-48	131.5	133	B1K936		4/27/2006									1.5	PPM(V/V)	U					
299-W15-48	135	140	B1HK74	S	5/3/2006					190	µg/kg	U									
299-W15-48	135	140	B1HK75	S	5/3/2006					3	µg/kg	U									
299-W15-48	135	140	B1HK77	S	5/3/2006	350	µg/kg	U													
299-W15-48	135	140	B1HL24	S	5/3/2006					0.35	µg/kg	U									
299-W15-48	135	140	B1HL26	S	5/3/2006	35	µg/kg	U													
299-W15-48	139.5	140	B1J7W6		5/8/2006																
299-W15-48	135.3	140	B1K910	R	5/4/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006									1.5	PPM(V/V)	U					
299-W15-48	135.3	140	B1K933		5/4/2006									1.5	PPM(V/V)	U					
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006																
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006																
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006									1.5	PPM(V/V)	U					
299-W15-48	139.5	145.5	B1K928		5/9/2006									1.5	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1K929		5/9/2006									1.5	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1K927		5/11/2006									1.5	PPM(V/V)	U					
299-W15-48	139.5	145.5	B1K930		5/8/2006									1.5	PPM(V/V)	U					
299-W15-48	135.25	140	B1K932		5/4/2006									1.5	PPM(V/V)	U					

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Hexachloroethane (67-72-1)				Hexane (110-54-3)				Methane (74-82-8)				Methyl propionate (554-12-1)			
						8270				8260				MIRAN, field				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006									1.5	PPM(V/V)	U					
299-W15-48	122.5	124.5	B1K940		4/19/2006									1.5	PPM(V/V)	U					
			B1HKY0	EB	4/19/2006	1.1	µg/L	U		1	µg/L	U									
			B1HK26	FB	3/20/2006					74	µg/kg	U									
			B1HK36	FB	3/27/2006					74	µg/kg	U									
			B1HK51	FB	4/4/2006					74	µg/kg	U									
			B1HK56	FB	4/18/2006					250	µg/kg	U									
			B1HK61	FB	4/24/2006					250	µg/kg	U									
			B1HK66	FB	4/27/2006					130	µg/kg	U									
			B1HK76	FB	5/3/2006					320	µg/kg	U									
			B1HKB2	FB	3/13/2006					74	µg/kg	U									
			B1HL21	FB	4/6/2006					74	µg/kg	U									
			B1HL25	FB	5/3/2006					74	µg/kg	U									
			B1HKY9	TB	4/19/2006					1	µg/L	U									
			B1HL00	TB	4/25/2006					1	µg/L	U									
			B1HL01	TB	4/27/2006					1	µg/L	U									
			B1HL03	TB	5/3/2006					1	µg/L	U									
			B1HL07	TB	3/22/2006					0.45	µg/L	U									
			B1HL10	TB	4/6/2006					0.45	µg/L	U									
					TQL (µg/kg)	N/A				N/A				0.001				N/A			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	1.2	µg/kg	U										0.75	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006					25.7	PPM(V/V)										
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006					22.4	PPM(V/V)										
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006					25.5	PPM(V/V)										
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006					22.7	PPM(V/V)										
299-W15-48	52.5	54.5	B1K945		3/14/2006																
299-W15-48	52.5	54.5	B1K946		3/14/2006																
299-W15-48	52.5	54.5	B1K947		3/14/2006																
299-W15-48	67	69	B1HK24		3/20/2006	52	µg/kg	U										63	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006	2.6	µg/kg	U										0.22	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK29		3/22/2006	49	µg/kg	U										59	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006	2.7	µg/kg	U										0.22	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	70	72	B1K8X2	R	3/23/2006					1.42	PPM(V/V)										
299-W15-48	70	72	B1K8X3	R	3/23/2006					1.38	PPM(V/V)										
299-W15-48	70	72	B1K8X4	R	3/23/2006					1.58	PPM(V/V)										
299-W15-48	70	72	B1K8X5	R	3/23/2006					1.58	PPM(V/V)										
299-W15-48	70	72	B1K943		3/23/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2) 8260				Methylene chloride (75-09-2) B&K, field				Methylene chloride (75-09-2) TO-15				n-Butylbenzene (104-51-8) 8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006	57	µg/kg	U										70	µg/kg	U	
299-W15-48	73	75	B1HK35		3/27/2006	3.4	µg/kg	U										0.28	µg/kg	U	
299-W15-48	100	102	B1HK49		4/4/2006	140	µg/kg	JB	J									62	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006	3.3	µg/kg	U										0.27	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	100	102	B1K8X6	R	4/4/2006					72	PPM(V/V)										
299-W15-48	100	102	B1K8X7	R	4/4/2006					71.5	PPM(V/V)										
299-W15-48	100	102	B1K8X8	R	4/4/2006					69.1	PPM(V/V)										
299-W15-48	100	102	B1K8X9	R	4/4/2006					68.4	PPM(V/V)										
299-W15-48	103	105	B1HK44	R	4/6/2006	52	µg/kg	U										63	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006	3	µg/kg	U										0.25	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL19	R	4/6/2006	50	µg/kg	U										61	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006	2.9	µg/kg	U										0.24	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK40		4/13/2006	2.9	µg/kg	U										0.24	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006					50.7	PPM(V/V)										
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006					51.3	PPM(V/V)										

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006					50.7	PPM(V/V)										

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006					50.5	PPM(V/V)										
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006					8.73	PPM(V/V)										
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006					8.74	PPM(V/V)										
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006					9.05	PPM(V/V)										
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006					9.3	PPM(V/V)										
299-W15-48	118.5	120.5	B1K941		4/17/2006																
299-W15-48	118.5	120.5	B1K942		4/17/2006																
299-W15-48	122.5	124.5	B1HK54		4/18/2006	12	µg/kg	U										12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006	1.4	µg/kg	U										1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006					42.1	PPM(V/V)										
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006					43	PPM(V/V)										
299-W15-48	122.5	124.5	B1K900	R	4/19/2006					43.3	PPM(V/V)										
299-W15-48	122.5	124.5	B1K901	R	4/19/2006					43.2	PPM(V/V)										
299-W15-48	128.5	130.5	B1HK59		4/24/2006	28	µg/kg	J	J									12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006	5.6	µg/kg	J										1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006					42.8	PPM(V/V)										
299-W15-48	128.5	130.5	B1K903	R	4/25/2006					43.2	PPM(V/V)										
299-W15-48	128.5	130.5	B1K904	R	4/25/2006					47.2	PPM(V/V)										

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006					46.9	PPM(V/V)										
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																
299-W15-48	131.5	133	B1HK64		4/27/2006	120	µg/kg	U										120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006	22	µg/kg											1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006					21.7	PPM(V/V)										
299-W15-48	131.5	133	B1K907	R	4/27/2006					21.7	PPM(V/V)										
299-W15-48	131.5	133	B1K908	R	4/27/2006					22.4	PPM(V/V)										
299-W15-48	131.5	133	B1K909	R	4/27/2006					22.7	PPM(V/V)										
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006	120	µg/kg	BJ	J									190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006	3	µg/kg	U										3	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL24	S	5/3/2006	2.8	µg/kg	U										0.23	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	139.5	140	B1J7W6		5/8/2006									0.4	PPM(V/V)	U					
299-W15-48	135.3	140	B1K910	R	5/4/2006					1	PPM(V/V)	U									

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006					1	PPM(V/V)	U									
299-W15-48	135.3	140	B1K912	R	5/4/2006					1	PPM(V/V)	U									
299-W15-48	135.3	140	B1K913	R	5/4/2006					1	PPM(V/V)	U									
299-W15-48	139.5	140	B1K914	R	5/8/2006					26.4	PPM(V/V)										

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006					26.9	PPM(V/V)										
299-W15-48	139.5	140	B1K916	R	5/8/2006					28.3	PPM(V/V)										
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006									8	PPM(V/V)	U	UR				
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006									0.04	PPM(V/V)	U					
299-W15-48	139.5	145.5	B1K918	R	5/9/2006					1	PPM(V/V)	U	UR								
299-W15-48	139.5	145.5	B1K919	R	5/9/2006					1	PPM(V/V)	U	UR								
299-W15-48	139.5	145.5	B1K920	R	5/9/2006					1	PPM(V/V)	U	UR								
299-W15-48	139.5	145.5	B1K921	R	5/9/2006					1	PPM(V/V)	U	UR								
299-W15-48	139.5	145.5	B1K922	R	5/11/2006					1.93	PPM(V/V)										
299-W15-48	139.5	145.5	B1K923	R	5/11/2006					2.54	PPM(V/V)										
299-W15-48	139.5	145.5	B1K924	R	5/11/2006					2.04	PPM(V/V)										
299-W15-48	139.5	145.5	B1K925	R	5/11/2006					2.25	PPM(V/V)										
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)			
						8260				B&K, field				TO-15				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006	1	µg/L	U										1	µg/L	U	
			B1HK26	FB	3/20/2006	46	µg/kg	U										56	µg/kg	U	
			B1HK36	FB	3/27/2006	46	µg/kg	U										56	µg/kg	U	
			B1HK51	FB	4/4/2006	46	µg/kg	U										56	µg/kg	U	
			B1HK56	FB	4/18/2006	250	µg/kg	U										250	µg/kg	U	
			B1HK61	FB	4/24/2006	250	µg/kg	U										250	µg/kg	U	
			B1HK66	FB	4/27/2006	130	µg/kg	U										130	µg/kg	U	
			B1HK76	FB	5/3/2006	190	µg/kg	BJ										320	µg/kg	U	
			B1HKB2	FB	3/13/2006	120	µg/kg	JB										56	µg/kg	U	
			B1HL21	FB	4/6/2006	46	µg/kg	U										56	µg/kg	U	
			B1HL25	FB	5/3/2006	46	µg/kg	U										56	µg/kg	U	
			B1HKY9	TB	4/19/2006	1	µg/L	U										1	µg/L	U	
			B1HL00	TB	4/25/2006	1	µg/L	U										1	µg/L	U	
			B1HL01	TB	4/27/2006	1	µg/L	U										1	µg/L	U	
			B1HL03	TB	5/3/2006	1	µg/L	U										1	µg/L	U	
			B1HL07	TB	3/22/2006	0.68	µg/L	U										0.53	µg/L	U	
			B1HL10	TB	4/6/2006	1.5	µg/L	JB										0.53	µg/L	U	
					TQL (µg/kg)	5				5				5				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					0.28	µg/kg	U		0.63	µg/kg	U					
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006																
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006																
299-W15-48	52.5	54.5	B1K945		3/14/2006	0.04	PPM(V/V)	U													
299-W15-48	52.5	54.5	B1K946		3/14/2006	0.04	PPM(V/V)	U													
299-W15-48	52.5	54.5	B1K947		3/14/2006	14.62	PPM(V/V)														
299-W15-48	67	69	B1HK24		3/20/2006					33	µg/kg	U		130	µg/kg	J					
299-W15-48	67	69	B1HK25		3/20/2006					0.26	µg/kg	U		8.3	µg/kg						
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK29		3/22/2006					31	µg/kg	U		220	µg/kg	J					
299-W15-48	70	72	B1HK30		3/22/2006					0.26	µg/kg	U		5.2	µg/kg						
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	70	72	B1K8X2	R	3/23/2006																
299-W15-48	70	72	B1K8X3	R	3/23/2006																
299-W15-48	70	72	B1K8X4	R	3/23/2006																
299-W15-48	70	72	B1K8X5	R	3/23/2006																
299-W15-48	70	72	B1K943		3/23/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006																
299-W15-48	73	75	B1HK34		3/27/2006					37	µg/kg	U		73	µg/kg	J					
299-W15-48	73	75	B1HK35		3/27/2006					0.48	µg/kg	J		37	µg/kg						
299-W15-48	100	102	B1HK49		4/4/2006					33	µg/kg	U		58	µg/kg	U					
299-W15-48	100	102	B1HK50		4/4/2006					0.32	µg/kg	U		0.49	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	100	102	B1K8X6	R	4/4/2006																
299-W15-48	100	102	B1K8X7	R	4/4/2006																
299-W15-48	100	102	B1K8X8	R	4/4/2006																
299-W15-48	100	102	B1K8X9	R	4/4/2006																
299-W15-48	103	105	B1HK44	R	4/6/2006					33	µg/kg	U		59	µg/kg	U					
299-W15-48	103	105	B1HK45	R	4/6/2006					0.29	µg/kg	U		0.44	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL19	R	4/6/2006					33	µg/kg	U		57	µg/kg	U					
299-W15-48	103	105	B1HL20	R	4/6/2006					0.29	µg/kg	U		0.43	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006																
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.28	µg/kg	U		0.42	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006																
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006																
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006																
299-W15-48	118.5	120.5	B1K941		4/17/2006	5.05	PPM(V/V)														
299-W15-48	118.5	120.5	B1K942		4/17/2006	10.04	PPM(V/V)														
299-W15-48	122.5	124.5	B1HK54		4/18/2006					12	µg/kg	U		12	µg/kg	U					
299-W15-48	122.5	124.5	B1HK55		4/18/2006					1.4	µg/kg	U		1.4	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006																
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006																
299-W15-48	122.5	124.5	B1K900	R	4/19/2006																
299-W15-48	122.5	124.5	B1K901	R	4/19/2006																
299-W15-48	128.5	130.5	B1HK59		4/24/2006					12	µg/kg	U		12	µg/kg	U					
299-W15-48	128.5	130.5	B1HK60		4/24/2006					1.3	µg/kg	U		15	µg/kg						
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1K902	R	4/25/2006																
299-W15-48	128.5	130.5	B1K903	R	4/25/2006																
299-W15-48	128.5	130.5	B1K904	R	4/25/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006																
299-W15-48	128.5	130.5	B1K937		4/25/2006																
299-W15-48	128.5	130.5	B1K939		4/25/2006																
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U		120	µg/kg	U					
299-W15-48	131.5	133	B1HK65		4/27/2006					1.2	µg/kg	U		1.2	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1K906	R	4/27/2006																
299-W15-48	131.5	133	B1K907	R	4/27/2006																
299-W15-48	131.5	133	B1K908	R	4/27/2006																
299-W15-48	131.5	133	B1K909	R	4/27/2006																
299-W15-48	131.5	133	B1K934		4/27/2006																
299-W15-48	131.5	133	B1K935		4/27/2006																
299-W15-48	131.5	133	B1K936		4/27/2006																
299-W15-48	135	140	B1HK74	S	5/3/2006					190	µg/kg	U		190	µg/kg	U					
299-W15-48	135	140	B1HK75	S	5/3/2006					3	µg/kg	U		3	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL24	S	5/3/2006					0.27	µg/kg	U		0.41	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	139.5	140	B1J7W6		5/8/2006													0.4	PPM(V/V)	U	
299-W15-48	135.3	140	B1K910	R	5/4/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006																
299-W15-48	135.3	140	B1K912	R	5/4/2006																
299-W15-48	135.3	140	B1K913	R	5/4/2006																
299-W15-48	139.5	140	B1K914	R	5/8/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006																
299-W15-48	139.5	140	B1K916	R	5/8/2006																
299-W15-48	139.5	140	B1K931		5/8/2006																
299-W15-48	135.3	140	B1K933		5/4/2006																
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006													8	PPM(V/V)	U	UR
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006													0.04	PPM(V/V)	U	
299-W15-48	139.5	145.5	B1K918	R	5/9/2006																
299-W15-48	139.5	145.5	B1K919	R	5/9/2006																
299-W15-48	139.5	145.5	B1K920	R	5/9/2006																
299-W15-48	139.5	145.5	B1K921	R	5/9/2006																
299-W15-48	139.5	145.5	B1K922	R	5/11/2006																
299-W15-48	139.5	145.5	B1K923	R	5/11/2006																
299-W15-48	139.5	145.5	B1K924	R	5/11/2006																
299-W15-48	139.5	145.5	B1K925	R	5/11/2006																
299-W15-48	139.5	145.5	B1K926		5/11/2006																
299-W15-48	139.5	145.5	B1K928		5/9/2006																
299-W15-48	139.5	145.5	B1K929		5/9/2006																
299-W15-48	139.5	145.5	B1K927		5/11/2006																
299-W15-48	139.5	145.5	B1K930		5/8/2006																
299-W15-48	135.25	140	B1K932		5/4/2006																

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrous oxide (10024-97-2)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)				Tetrachloroethene (127-18-4)			
						MIRAN, field				8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006																
299-W15-48	122.5	124.5	B1K940		4/19/2006																
			B1HKY0	EB	4/19/2006					1	µg/L	U		1	µg/L	U					
			B1HK26	FB	3/20/2006					30	µg/kg	U		52	µg/kg	U					
			B1HK36	FB	3/27/2006					30	µg/kg	U		52	µg/kg	U					
			B1HK51	FB	4/4/2006					30	µg/kg	U		52	µg/kg	U					
			B1HK56	FB	4/18/2006					250	µg/kg	U		250	µg/kg	U					
			B1HK61	FB	4/24/2006					250	µg/kg	U		250	µg/kg	U					
			B1HK66	FB	4/27/2006					130	µg/kg	U		130	µg/kg	U					
			B1HK76	FB	5/3/2006					320	µg/kg	U		320	µg/kg	U					
			B1HKB2	FB	3/13/2006					30	µg/kg	U		52	µg/kg	U					
			B1HL21	FB	4/6/2006					30	µg/kg	U		52	µg/kg	U					
			B1HL25	FB	5/3/2006					30	µg/kg	U		52	µg/kg	U					
			B1HKY9	TB	4/19/2006					1	µg/L	U		1	µg/L	U					
			B1HL00	TB	4/25/2006					1	µg/L	U		1	µg/L	U					
			B1HL01	TB	4/27/2006					1	µg/L	U		1	µg/L	U					
			B1HL03	TB	5/3/2006					1	µg/L	U		1	µg/L	U					
			B1HL07	TB	3/22/2006					0.21	µg/L	U		0.27	µg/L	U					
			B1HL10	TB	4/6/2006					0.21	µg/L	U		0.27	µg/L	U					
					TQL (µg/kg)	N/A				N/A				5				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					0.47	µg/kg	U					
299-W15-48	52.5	54.5	B1HKB3		3/13/2006												
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006												
299-W15-48	52.5	54.5	B1K945		3/14/2006												
299-W15-48	52.5	54.5	B1K946		3/14/2006												
299-W15-48	52.5	54.5	B1K947		3/14/2006												
299-W15-48	67	69	B1HK24		3/20/2006					42	µg/kg	U					
299-W15-48	67	69	B1HK25		3/20/2006					0.75	µg/kg	J					
299-W15-48	67	69	B1HK27		3/20/2006												
299-W15-48	70	72	B1HK29		3/22/2006					40	µg/kg	U					
299-W15-48	70	72	B1HK30		3/22/2006					2.3	µg/kg	J					
299-W15-48	70	72	B1HK32		3/22/2006												
299-W15-48	70	72	B1K8X2	R	3/23/2006												
299-W15-48	70	72	B1K8X3	R	3/23/2006												
299-W15-48	70	72	B1K8X4	R	3/23/2006												
299-W15-48	70	72	B1K8X5	R	3/23/2006												
299-W15-48	70	72	B1K943		3/23/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006												
299-W15-48	73	75	B1HK34		3/27/2006					47	µg/kg	U					
299-W15-48	73	75	B1HK35		3/27/2006					0.73	µg/kg	U					
299-W15-48	100	102	B1HK49		4/4/2006					41	µg/kg	U					
299-W15-48	100	102	B1HK50		4/4/2006					0.71	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006												
299-W15-48	100	102	B1K8X6	R	4/4/2006												
299-W15-48	100	102	B1K8X7	R	4/4/2006												
299-W15-48	100	102	B1K8X8	R	4/4/2006												
299-W15-48	100	102	B1K8X9	R	4/4/2006												
299-W15-48	103	105	B1HK44	R	4/6/2006					42	µg/kg	U					
299-W15-48	103	105	B1HK45	R	4/6/2006					0.65	µg/kg	J					
299-W15-48	103	105	B1HK47	R	4/6/2006												
299-W15-48	103	105	B1HL19	R	4/6/2006					41	µg/kg	U					
299-W15-48	103	105	B1HL20	R	4/6/2006					0.66	µg/kg	J					
299-W15-48	103	105	B1HL22	R	4/6/2006												
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.62	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006												
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006												
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006												
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006												
299-W15-48	118.5	120.5	B1K941		4/17/2006												
299-W15-48	118.5	120.5	B1K942		4/17/2006												
299-W15-48	122.5	124.5	B1HK54		4/18/2006	490	µg/kg			12	µg/kg	U					
299-W15-48	122.5	124.5	B1HK55		4/18/2006	370	µg/kg			1.4	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006												
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006												
299-W15-48	122.5	124.5	B1K900	R	4/19/2006												
299-W15-48	122.5	124.5	B1K901	R	4/19/2006												
299-W15-48	128.5	130.5	B1HK59		4/24/2006					12	µg/kg	U					
299-W15-48	128.5	130.5	B1HK60		4/24/2006	110	µg/kg			1.3	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	128.5	130.5	B1K902	R	4/25/2006												
299-W15-48	128.5	130.5	B1K903	R	4/25/2006												
299-W15-48	128.5	130.5	B1K904	R	4/25/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006												
299-W15-48	128.5	130.5	B1K937		4/25/2006												
299-W15-48	128.5	130.5	B1K939		4/25/2006												
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U					
299-W15-48	131.5	133	B1HK65		4/27/2006	53	µg/kg			3.8	µg/kg	J					
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	131.5	133	B1K906	R	4/27/2006												
299-W15-48	131.5	133	B1K907	R	4/27/2006												
299-W15-48	131.5	133	B1K908	R	4/27/2006												
299-W15-48	131.5	133	B1K909	R	4/27/2006												
299-W15-48	131.5	133	B1K934		4/27/2006												
299-W15-48	131.5	133	B1K935		4/27/2006												
299-W15-48	131.5	133	B1K936		4/27/2006												
299-W15-48	135	140	B1HK74	S	5/3/2006					190	µg/kg	U		190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006					3	µg/kg	U		3	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HL24	S	5/3/2006					0.6	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	139.5	140	B1J7W6		5/8/2006												
299-W15-48	135.3	140	B1K910	R	5/4/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006												
299-W15-48	135.3	140	B1K912	R	5/4/2006												
299-W15-48	135.3	140	B1K913	R	5/4/2006												
299-W15-48	139.5	140	B1K914	R	5/8/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006												
299-W15-48	139.5	140	B1K916	R	5/8/2006												
299-W15-48	139.5	140	B1K931		5/8/2006												
299-W15-48	135.3	140	B1K933		5/4/2006												
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006												
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006												
299-W15-48	139.5	145.5	B1K918	R	5/9/2006												
299-W15-48	139.5	145.5	B1K919	R	5/9/2006												
299-W15-48	139.5	145.5	B1K920	R	5/9/2006												
299-W15-48	139.5	145.5	B1K921	R	5/9/2006												
299-W15-48	139.5	145.5	B1K922	R	5/11/2006												
299-W15-48	139.5	145.5	B1K923	R	5/11/2006												
299-W15-48	139.5	145.5	B1K924	R	5/11/2006												
299-W15-48	139.5	145.5	B1K925	R	5/11/2006												
299-W15-48	139.5	145.5	B1K926		5/11/2006												
299-W15-48	139.5	145.5	B1K928		5/9/2006												
299-W15-48	139.5	145.5	B1K929		5/9/2006												
299-W15-48	139.5	145.5	B1K927		5/11/2006												
299-W15-48	139.5	145.5	B1K930		5/8/2006												
299-W15-48	135.25	140	B1K932		5/4/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloroethylene (156-60-5)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006												
299-W15-48	122.5	124.5	B1K940		4/19/2006												
			B1HKY0	EB	4/19/2006					1	µg/L	U					
			B1HK26	FB	3/20/2006					37	µg/kg	U					
			B1HK36	FB	3/27/2006					37	µg/kg	U					
			B1HK51	FB	4/4/2006					37	µg/kg	U					
			B1HK56	FB	4/18/2006					250	µg/kg	U					
			B1HK61	FB	4/24/2006					250	µg/kg	U					
			B1HK66	FB	4/27/2006					130	µg/kg	U					
			B1HK76	FB	5/3/2006					320	µg/kg	U		320	µg/kg	U	
			B1HKB2	FB	3/13/2006					130	µg/kg	JB					
			B1HL21	FB	4/6/2006					37	µg/kg	U					
			B1HL25	FB	5/3/2006					210	µg/kg	J					
			B1HKY9	TB	4/19/2006					1	µg/L	U					
			B1HL00	TB	4/25/2006					1	µg/L	U					
			B1HL01	TB	4/27/2006					1	µg/L	U					
			B1HL03	TB	5/3/2006					1	µg/L	U					
			B1HL07	TB	3/22/2006					0.13	µg/L	U					
			B1HL10	TB	4/6/2006					0.13	µg/L	U					
					TQL (µg/kg)	N/A				5				10			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	0.44	µg/kg	U		0.58	µg/kg	U					
299-W15-48	52.5	54.5	B1HKB3		3/13/2006												
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006												
299-W15-48	52.5	54.5	B1K945		3/14/2006												
299-W15-48	52.5	54.5	B1K946		3/14/2006												
299-W15-48	52.5	54.5	B1K947		3/14/2006												
299-W15-48	67	69	B1HK24		3/20/2006	95	µg/kg	U		42	µg/kg	U					
299-W15-48	67	69	B1HK25		3/20/2006	0.27	µg/kg	U		0.26	µg/kg	U					
299-W15-48	67	69	B1HK27		3/20/2006												
299-W15-48	70	72	B1HK29		3/22/2006	90	µg/kg	U		40	µg/kg	U					
299-W15-48	70	72	B1HK30		3/22/2006	0.28	µg/kg	U		0.26	µg/kg	U					
299-W15-48	70	72	B1HK32		3/22/2006												
299-W15-48	70	72	B1K8X2	R	3/23/2006												
299-W15-48	70	72	B1K8X3	R	3/23/2006												
299-W15-48	70	72	B1K8X4	R	3/23/2006												
299-W15-48	70	72	B1K8X5	R	3/23/2006												
299-W15-48	70	72	B1K943		3/23/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006												
299-W15-48	73	75	B1HK34		3/27/2006	110	µg/kg	U		47	µg/kg	U					
299-W15-48	73	75	B1HK35		3/27/2006	0.35	µg/kg	U		1.3	µg/kg	J					
299-W15-48	100	102	B1HK49		4/4/2006	93	µg/kg	U		41	µg/kg	U					
299-W15-48	100	102	B1HK50		4/4/2006	0.34	µg/kg	U		0.32	µg/kg	U					
299-W15-48	100	102	B1HK52		4/4/2006												
299-W15-48	100	102	B1K8X6	R	4/4/2006												
299-W15-48	100	102	B1K8X7	R	4/4/2006												
299-W15-48	100	102	B1K8X8	R	4/4/2006												
299-W15-48	100	102	B1K8X9	R	4/4/2006												
299-W15-48	103	105	B1HK44	R	4/6/2006	95	µg/kg	U		42	µg/kg	U					
299-W15-48	103	105	B1HK45	R	4/6/2006	0.3	µg/kg	U		0.29	µg/kg	U					
299-W15-48	103	105	B1HK47	R	4/6/2006												
299-W15-48	103	105	B1HL19	R	4/6/2006	93	µg/kg	U		41	µg/kg	U					
299-W15-48	103	105	B1HL20	R	4/6/2006	0.3	µg/kg	U		0.29	µg/kg	U					
299-W15-48	103	105	B1HL22	R	4/6/2006												
299-W15-48	118.5	120.5	B1HK40		4/13/2006	0.29	µg/kg	U		0.28	µg/kg	U					
299-W15-48	118.5	120.5	B1HK42		4/13/2006												
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006												
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006												
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006												
299-W15-48	118.5	120.5	B1K941		4/17/2006												
299-W15-48	118.5	120.5	B1K942		4/17/2006												
299-W15-48	122.5	124.5	B1HK54		4/18/2006	12	µg/kg	U		12	µg/kg	U					
299-W15-48	122.5	124.5	B1HK55		4/18/2006	1.4	µg/kg	U		1.4	µg/kg	U					
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006												
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006												
299-W15-48	122.5	124.5	B1K900	R	4/19/2006												
299-W15-48	122.5	124.5	B1K901	R	4/19/2006												
299-W15-48	128.5	130.5	B1HK59		4/24/2006	12	µg/kg	U		12	µg/kg	U					
299-W15-48	128.5	130.5	B1HK60		4/24/2006	1.3	µg/kg	U		1.3	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	128.5	130.5	B1K902	R	4/25/2006												
299-W15-48	128.5	130.5	B1K903	R	4/25/2006												
299-W15-48	128.5	130.5	B1K904	R	4/25/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006												
299-W15-48	128.5	130.5	B1K937		4/25/2006												
299-W15-48	128.5	130.5	B1K939		4/25/2006												
299-W15-48	131.5	133	B1HK64		4/27/2006	120	µg/kg	U		120	µg/kg	U					
299-W15-48	131.5	133	B1HK65		4/27/2006	1.2	µg/kg	U		1.2	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	131.5	133	B1K906	R	4/27/2006												
299-W15-48	131.5	133	B1K907	R	4/27/2006												
299-W15-48	131.5	133	B1K908	R	4/27/2006												
299-W15-48	131.5	133	B1K909	R	4/27/2006												
299-W15-48	131.5	133	B1K934		4/27/2006												
299-W15-48	131.5	133	B1K935		4/27/2006												
299-W15-48	131.5	133	B1K936		4/27/2006												
299-W15-48	135	140	B1HK74	S	5/3/2006	190	µg/kg	U		190	µg/kg	U					
299-W15-48	135	140	B1HK75	S	5/3/2006	3	µg/kg	U		3	µg/kg	U					
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HL24	S	5/3/2006	0.28	µg/kg	U		0.27	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	139.5	140	B1J7W6		5/8/2006									0.4	PPM(V/V)	U	
299-W15-48	135.3	140	B1K910	R	5/4/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006												
299-W15-48	135.3	140	B1K912	R	5/4/2006												
299-W15-48	135.3	140	B1K913	R	5/4/2006												
299-W15-48	139.5	140	B1K914	R	5/8/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006												
299-W15-48	139.5	140	B1K916	R	5/8/2006												
299-W15-48	139.5	140	B1K931		5/8/2006												
299-W15-48	135.3	140	B1K933		5/4/2006												
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006									8	PPM(V/V)	U	UR
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006									0.04	PPM(V/V)	U	
299-W15-48	139.5	145.5	B1K918	R	5/9/2006												
299-W15-48	139.5	145.5	B1K919	R	5/9/2006												
299-W15-48	139.5	145.5	B1K920	R	5/9/2006												
299-W15-48	139.5	145.5	B1K921	R	5/9/2006												
299-W15-48	139.5	145.5	B1K922	R	5/11/2006												
299-W15-48	139.5	145.5	B1K923	R	5/11/2006												
299-W15-48	139.5	145.5	B1K924	R	5/11/2006												
299-W15-48	139.5	145.5	B1K925	R	5/11/2006												
299-W15-48	139.5	145.5	B1K926		5/11/2006												
299-W15-48	139.5	145.5	B1K928		5/9/2006												
299-W15-48	139.5	145.5	B1K929		5/9/2006												
299-W15-48	139.5	145.5	B1K927		5/11/2006												
299-W15-48	139.5	145.5	B1K930		5/8/2006												
299-W15-48	135.25	140	B1K932		5/4/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	trans-1,3-Dichloropropene (10061-02-6)				Trichloroethene (79-01-6)				Trichloroethene (79-01-6)			
						8260				8260				TO-15			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006												
299-W15-48	122.5	124.5	B1K940		4/19/2006												
			B1HKY0	EB	4/19/2006	1	µg/L	U		1	µg/L	U					
			B1HK26	FB	3/20/2006	84	µg/kg	U		37	µg/kg	U					
			B1HK36	FB	3/27/2006	84	µg/kg	U		37	µg/kg	U					
			B1HK51	FB	4/4/2006	84	µg/kg	U		37	µg/kg	U					
			B1HK56	FB	4/18/2006	250	µg/kg	U		250	µg/kg	U					
			B1HK61	FB	4/24/2006	250	µg/kg	U		250	µg/kg	U					
			B1HK66	FB	4/27/2006	130	µg/kg	U		130	µg/kg	U					
			B1HK76	FB	5/3/2006	320	µg/kg	U		320	µg/kg	U					
			B1HKB2	FB	3/13/2006	84	µg/kg	U		37	µg/kg	U					
			B1HL21	FB	4/6/2006	84	µg/kg	U		37	µg/kg	U					
			B1HL25	FB	5/3/2006	84	µg/kg	U		37	µg/kg	U					
			B1HKY9	TB	4/19/2006	1	µg/L	U		1	µg/L	U					
			B1HL00	TB	4/25/2006	1	µg/L	U		1	µg/L	U					
			B1HL01	TB	4/27/2006	1	µg/L	U		1	µg/L	U					
			B1HL03	TB	5/3/2006	1	µg/L	U		1	µg/L	U					
			B1HL07	TB	3/22/2006	0.2	µg/L	U		0.36	µg/L	U					
			B1HL10	TB	4/6/2006	0.2	µg/L	U		0.36	µg/L	U					
					TQL (µg/kg)	N/A				5				5			

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB1		3/13/2006					1.9	µg/kg	U		1.3	µg/kg	U	
299-W15-48	52.5	54.5	B1HKB3		3/13/2006												
299-W15-48	52.5	54.5	B1K8W8	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8W9	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8X0	R	3/14/2006												
299-W15-48	52.5	54.5	B1K8X1	R	3/14/2006												
299-W15-48	52.5	54.5	B1K945		3/14/2006												
299-W15-48	52.5	54.5	B1K946		3/14/2006												
299-W15-48	52.5	54.5	B1K947		3/14/2006												
299-W15-48	67	69	B1HK24		3/20/2006					150	µg/kg	U		140	µg/kg	U	
299-W15-48	67	69	B1HK25		3/20/2006					0.32	µg/kg	U		0.4	µg/kg	U	
299-W15-48	67	69	B1HK27		3/20/2006												
299-W15-48	70	72	B1HK29		3/22/2006					140	µg/kg	U		140	µg/kg	U	
299-W15-48	70	72	B1HK30		3/22/2006					0.34	µg/kg	U		0.42	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006												
299-W15-48	70	72	B1K8X2	R	3/23/2006												
299-W15-48	70	72	B1K8X3	R	3/23/2006												
299-W15-48	70	72	B1K8X4	R	3/23/2006												
299-W15-48	70	72	B1K8X5	R	3/23/2006												
299-W15-48	70	72	B1K943		3/23/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	70	72	B1K944		3/23/2006												
299-W15-48	73	75	B1HK34		3/27/2006					160	µg/kg	U		160	µg/kg	U	
299-W15-48	73	75	B1HK35		3/27/2006					0.42	µg/kg	U		3	µg/kg	J	
299-W15-48	100	102	B1HK49		4/4/2006					150	µg/kg	U		140	µg/kg	U	
299-W15-48	100	102	B1HK50		4/4/2006					0.41	µg/kg	U		0.51	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006												
299-W15-48	100	102	B1K8X6	R	4/4/2006												
299-W15-48	100	102	B1K8X7	R	4/4/2006												
299-W15-48	100	102	B1K8X8	R	4/4/2006												
299-W15-48	100	102	B1K8X9	R	4/4/2006												
299-W15-48	103	105	B1HK44	R	4/6/2006					150	µg/kg	U		140	µg/kg	U	
299-W15-48	103	105	B1HK45	R	4/6/2006					0.37	µg/kg	U		0.46	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006												
299-W15-48	103	105	B1HL19	R	4/6/2006					150	µg/kg	U		140	µg/kg	U	
299-W15-48	103	105	B1HL20	R	4/6/2006					0.36	µg/kg	U		0.45	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006												
299-W15-48	118.5	120.5	B1HK40		4/13/2006					0.36	µg/kg	U		0.44	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006												
299-W15-48	118.5	120.5	B1K8Y0	R	4/13/2006												
299-W15-48	118.5	120.5	B1K8Y1	R	4/13/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y2	R	4/13/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1K8Y3	R	4/13/2006												
299-W15-48	118.5	120.5	B1K8Y4	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y5	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y6	R	4/17/2006												
299-W15-48	118.5	120.5	B1K8Y7	R	4/17/2006												
299-W15-48	118.5	120.5	B1K941		4/17/2006												
299-W15-48	118.5	120.5	B1K942		4/17/2006												
299-W15-48	122.5	124.5	B1HK54		4/18/2006					12	µg/kg	U		12	µg/kg	U	
299-W15-48	122.5	124.5	B1HK55		4/18/2006	3	µg/kg			1.4	µg/kg	U		1.4	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1K8Y8	R	4/19/2006												
299-W15-48	122.5	124.5	B1K8Y9	R	4/19/2006												
299-W15-48	122.5	124.5	B1K900	R	4/19/2006												
299-W15-48	122.5	124.5	B1K901	R	4/19/2006												
299-W15-48	128.5	130.5	B1HK59		4/24/2006					12	µg/kg	U		12	µg/kg	U	
299-W15-48	128.5	130.5	B1HK60		4/24/2006					1.3	µg/kg	U		1.3	µg/kg	U	
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	128.5	130.5	B1K902	R	4/25/2006												
299-W15-48	128.5	130.5	B1K903	R	4/25/2006												
299-W15-48	128.5	130.5	B1K904	R	4/25/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K905	R	4/25/2006												
299-W15-48	128.5	130.5	B1K937		4/25/2006												
299-W15-48	128.5	130.5	B1K939		4/25/2006												
299-W15-48	131.5	133	B1HK64		4/27/2006					120	µg/kg	U		120	µg/kg	U	
299-W15-48	131.5	133	B1HK65		4/27/2006					1.2	µg/kg	U		1.2	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	131.5	133	B1K906	R	4/27/2006												
299-W15-48	131.5	133	B1K907	R	4/27/2006												
299-W15-48	131.5	133	B1K908	R	4/27/2006												
299-W15-48	131.5	133	B1K909	R	4/27/2006												
299-W15-48	131.5	133	B1K934		4/27/2006												
299-W15-48	131.5	133	B1K935		4/27/2006												
299-W15-48	131.5	133	B1K936		4/27/2006												
299-W15-48	135	140	B1HK74	S	5/3/2006					370	µg/kg	U		190	µg/kg	U	
299-W15-48	135	140	B1HK75	S	5/3/2006					7	µg/kg	U		3	µg/kg	U	
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HL24	S	5/3/2006					0.35	µg/kg	U		0.43	µg/kg	U	
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	139.5	140	B1J7W6		5/8/2006												
299-W15-48	135.3	140	B1K910	R	5/4/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	135.3	140	B1K911	R	5/4/2006												
299-W15-48	135.3	140	B1K912	R	5/4/2006												
299-W15-48	135.3	140	B1K913	R	5/4/2006												
299-W15-48	139.5	140	B1K914	R	5/8/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	139.5	140	B1K915	R	5/8/2006												
299-W15-48	139.5	140	B1K916	R	5/8/2006												
299-W15-48	139.5	140	B1K931		5/8/2006												
299-W15-48	135.3	140	B1K933		5/4/2006												
299-W15-48	139.5	145.5	B1J7Y1		5/9/2006												
299-W15-48	139.5	145.5	B1J7Y7		5/11/2006												
299-W15-48	139.5	145.5	B1K918	R	5/9/2006												
299-W15-48	139.5	145.5	B1K919	R	5/9/2006												
299-W15-48	139.5	145.5	B1K920	R	5/9/2006												
299-W15-48	139.5	145.5	B1K921	R	5/9/2006												
299-W15-48	139.5	145.5	B1K922	R	5/11/2006												
299-W15-48	139.5	145.5	B1K923	R	5/11/2006												
299-W15-48	139.5	145.5	B1K924	R	5/11/2006												
299-W15-48	139.5	145.5	B1K925	R	5/11/2006												
299-W15-48	139.5	145.5	B1K926		5/11/2006												
299-W15-48	139.5	145.5	B1K928		5/9/2006												
299-W15-48	139.5	145.5	B1K929		5/9/2006												
299-W15-48	139.5	145.5	B1K927		5/11/2006												
299-W15-48	139.5	145.5	B1K930		5/8/2006												
299-W15-48	135.25	140	B1K932		5/4/2006												

Table B-12. Volatile Organic Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (124 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	128.5	130.5	B1K938		4/25/2006												
299-W15-48	122.5	124.5	B1K940		4/19/2006												
			B1HKY0	EB	4/19/2006					1	µg/L	U		1	µg/L	U	
			B1HK26	FB	3/20/2006					130	µg/kg	U		130	µg/kg	U	
			B1HK36	FB	3/27/2006					130	µg/kg	U		130	µg/kg	U	
			B1HK51	FB	4/4/2006					130	µg/kg	U		130	µg/kg	U	
			B1HK56	FB	4/18/2006					250	µg/kg	U		250	µg/kg	U	
			B1HK61	FB	4/24/2006					250	µg/kg	U		250	µg/kg	U	
			B1HK66	FB	4/27/2006					130	µg/kg	U		130	µg/kg	U	
			B1HK76	FB	5/3/2006					640	µg/kg	U		320	µg/kg	U	
			B1HKB2	FB	3/13/2006					130	µg/kg	U		130	µg/kg	U	
			B1HL21	FB	4/6/2006					130	µg/kg	U		130	µg/kg	U	
			B1HL25	FB	5/3/2006					130	µg/kg	U		130	µg/kg	U	
			B1HKY9	TB	4/19/2006					1	µg/L	U		1	µg/L	U	
			B1HL00	TB	4/25/2006					1	µg/L	U		1	µg/L	U	
			B1HL01	TB	4/27/2006					1	µg/L	U		1	µg/L	U	
			B1HL03	TB	5/3/2006					1	µg/L	U		1	µg/L	U	
			B1HL07	TB	3/22/2006					0.24	µg/L	U		0.86	µg/L	U	
			B1HL10	TB	4/6/2006					0.24	µg/L	U		0.86	µg/L	U	
					TQL (µg/kg)	N/A				N/A				5			

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Percent passing 3-inch sieve (PAS3IN)				Percent passing 1.5-inch sieve (PAS1.5IN)				Percent passing 3/4-inch sieve (PAS3/4IN)				Percent passing 3/8-inch sieve (PAS3/8IN)			
							D422				D422				D422				D422			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006	STLSL																
299-W15-48	52.5	54.5	B1HKB1		3/13/2006	STLSL																
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL																
299-W15-48	67	69	B1HK24		3/20/2006	STLSL																
299-W15-48	67	69	B1HK25		3/20/2006	STLSL																
299-W15-48	67	69	B1HK27		3/20/2006	STLSL																
299-W15-48	70	72	B1HK29		3/22/2006	STLSL																
299-W15-48	70	72	B1HK30		3/22/2006	STLSL																
299-W15-48	70	72	B1HK32		3/22/2006	STLSL																
299-W15-48	73	75	B1HK34		3/27/2006	STLSL																
299-W15-48	73	75	B1HK35		3/27/2006	STLSL																
299-W15-48	100	102	B1HK49		4/4/2006	STLSL																
299-W15-48	100	102	B1HK50		4/4/2006	STLSL																
299-W15-48	100	102	B1HK52		4/4/2006	STLSL																
299-W15-48	100	102	B1HK52		4/4/2006	SHAW	100	%			100	%			100	%			100	%		
299-W15-48	103	105	B1HK44	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HK45	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HL19	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HL20	R	4/6/2006	STLSL																
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Percent passing 3-inch sieve (PAS3IN)				Percent passing 1.5-inch sieve (PAS1.5IN)				Percent passing 3/4-inch sieve (PAS3/4IN)				Percent passing 3/8-inch sieve (PAS3/8IN)			
							D422				D422				D422				D422			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1HK40		4/13/2006	STLSL																
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	STLSL																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	SHAW	100	%			100	%			100	%			100	%		
299-W15-48	128.5	130.5	B1HK62		4/24/2006	STLSL																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	SHAW	100	%			100	%			100	%			100	%		
299-W15-48	131.5	133	B1HK67		4/27/2006	STLSL																
299-W15-48	131.5	133	B1HK67		4/27/2006	SHAW	100	%			100	%			86	%			77.9	%		
299-W15-48	135	140	B1HK77	S	5/3/2006	STLSL																
299-W15-48	135	140	B1HK77	S	5/3/2006	SHAW																
299-W15-48	135	140	B1HL23	S	5/3/2006	STLSL																
299-W15-48	135	140	B1HL24	S	5/3/2006	STLSL																
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL																
299-W15-48	135	140	B1HL26	S	5/3/2006	RLNP																
			B1HKY0	EB	4/19/2006	WSCF																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Percent passing No.4 sieve (PAS#4)				Percent passing No.10 sieve (PAS#10)				Percent passing No.20 sieve (PAS#20)				Percent passing No.40 sieve (PAS#40)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006																
299-W15-48	52.5	54.5	B1HKB1		3/13/2006																
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK24		3/20/2006																
299-W15-48	67	69	B1HK25		3/20/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK29		3/22/2006																
299-W15-48	70	72	B1HK30		3/22/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	73	75	B1HK34		3/27/2006																
299-W15-48	73	75	B1HK35		3/27/2006																
299-W15-48	100	102	B1HK49		4/4/2006																
299-W15-48	100	102	B1HK50		4/4/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	100	102	B1HK52		4/4/2006	99.9	%			99.3	%			93.4	%			82.5	%		
299-W15-48	103	105	B1HK44	R	4/6/2006																
299-W15-48	103	105	B1HK45	R	4/6/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL19	R	4/6/2006																
299-W15-48	103	105	B1HL20	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Percent passing No.4 sieve (PAS#4)				Percent passing No.10 sieve (PAS#10)				Percent passing No.20 sieve (PAS#20)				Percent passing No.40 sieve (PAS#40)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1HK40		4/13/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	100	%			99.9	%			90.7	%			83.3	%		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	100	%			100	%			99.9	%			99.7	%		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006	73.5	%			69.9	%			68.2	%			64.5	%		
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL23	S	5/3/2006																
299-W15-48	135	140	B1HL24	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Percent passing No.60 sieve (PAS#60)				Percent passing No.100 sieve (PAS#100)				Percent passing No.140 sieve (PAS#140)				Percent passing No.200 sieve (PAS#200)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006																
299-W15-48	52.5	54.5	B1HKB1		3/13/2006																
299-W15-48	52.5	54.5	B1HKB3		3/13/2006																
299-W15-48	67	69	B1HK24		3/20/2006																
299-W15-48	67	69	B1HK25		3/20/2006																
299-W15-48	67	69	B1HK27		3/20/2006																
299-W15-48	70	72	B1HK29		3/22/2006																
299-W15-48	70	72	B1HK30		3/22/2006																
299-W15-48	70	72	B1HK32		3/22/2006																
299-W15-48	73	75	B1HK34		3/27/2006																
299-W15-48	73	75	B1HK35		3/27/2006																
299-W15-48	100	102	B1HK49		4/4/2006																
299-W15-48	100	102	B1HK50		4/4/2006																
299-W15-48	100	102	B1HK52		4/4/2006																
299-W15-48	100	102	B1HK52		4/4/2006	71.8	%			62	%			47.8	%			31.1	%		
299-W15-48	103	105	B1HK44	R	4/6/2006																
299-W15-48	103	105	B1HK45	R	4/6/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006																
299-W15-48	103	105	B1HL19	R	4/6/2006																
299-W15-48	103	105	B1HL20	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Percent passing No.60 sieve (PAS#60)				Percent passing No.100 sieve (PAS#100)				Percent passing No.140 sieve (PAS#140)				Percent passing No.200 sieve (PAS#200)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1HK40		4/13/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	77.6	%			72.4	%			69.4	%			66.3	%		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	97.6	%			94.2	%			91.7	%			87.9	%		
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	131.5	133	B1HK67		4/27/2006	60.1	%			53.3	%			49	%			45.2	%		
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL23	S	5/3/2006																
299-W15-48	135	140	B1HL24	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
			B1HKY0	EB	4/19/2006																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bulk density - dry (BULKDENSITY-DRY) D2937				Bulk density - wet (BULKDENSITY-WET) D2937				Cation exchange capacity (CEC) 9081				Hydraulic conductivity (HYDCON) D5084			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006																
299-W15-48	52.5	54.5	B1HKB1		3/13/2006																
299-W15-48	52.5	54.5	B1HKB3		3/13/2006									4.8	mEQ/100g	B					
299-W15-48	67	69	B1HK24		3/20/2006																
299-W15-48	67	69	B1HK25		3/20/2006																
299-W15-48	67	69	B1HK27		3/20/2006									4.8	mEQ/100g	B					
299-W15-48	70	72	B1HK29		3/22/2006																
299-W15-48	70	72	B1HK30		3/22/2006																
299-W15-48	70	72	B1HK32		3/22/2006									7	mEQ/100g						
299-W15-48	73	75	B1HK34		3/27/2006																
299-W15-48	73	75	B1HK35		3/27/2006																
299-W15-48	100	102	B1HK49		4/4/2006																
299-W15-48	100	102	B1HK50		4/4/2006																
299-W15-48	100	102	B1HK52		4/4/2006									9.7	mEQ/100g						
299-W15-48	100	102	B1HK52		4/4/2006	1632	kg/m3			1759	kg/m3							0.000043	cm/s		
299-W15-48	103	105	B1HK44	R	4/6/2006																
299-W15-48	103	105	B1HK45	R	4/6/2006																
299-W15-48	103	105	B1HK47	R	4/6/2006									9.1	mEQ/100g						
299-W15-48	103	105	B1HL19	R	4/6/2006																
299-W15-48	103	105	B1HL20	R	4/6/2006																
299-W15-48	103	105	B1HL22	R	4/6/2006									10.2	mEQ/100g						

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Bulk density - dry (BULKDENSITY-DRY)				Bulk density - wet (BULKDENSITY-WET)				Cation exchange capacity (CEC)				Hydraulic conductivity (HYDCON)			
						D2937				D2937				9081				D5084			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1HK40		4/13/2006																
299-W15-48	118.5	120.5	B1HK42		4/13/2006									11.4	mEQ/100g						
299-W15-48	122.5	124.5	B1HK57		4/18/2006									13.1	mEQ/100g						
299-W15-48	122.5	124.5	B1HK57		4/18/2006	1260	kg/m3			1410	kg/m3							0.000031	cm/s		
299-W15-48	128.5	130.5	B1HK62		4/24/2006									5	mEQ/100g						
299-W15-48	128.5	130.5	B1HK62		4/24/2006	1600	kg/m3			1909	kg/m3							0.000029	cm/s		
299-W15-48	131.5	133	B1HK67		4/27/2006									14.9	mEQ/100g						
299-W15-48	131.5	133	B1HK67		4/27/2006	1914	kg/m3			2198	kg/m3							0.0000028	cm/s		
299-W15-48	135	140	B1HK77	S	5/3/2006									8.5	mEQ/100g						
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HL23	S	5/3/2006																
299-W15-48	135	140	B1HL24	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006									9	mEQ/100g						
			B1HKY0	EB	4/19/2006																

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Percent moisture (dry sample) (%MOISTURE-D)				Percent moisture (wet sample) (%MOISTURE)				Percent Solids (%SOLIDS)			
						D2216				D2216				Gravimetry			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006												
299-W15-48	52.5	54.5	B1HKB1		3/13/2006												
299-W15-48	52.5	54.5	B1HKB3		3/13/2006												
299-W15-48	67	69	B1HK24		3/20/2006												
299-W15-48	67	69	B1HK25		3/20/2006												
299-W15-48	67	69	B1HK27		3/20/2006												
299-W15-48	70	72	B1HK29		3/22/2006												
299-W15-48	70	72	B1HK30		3/22/2006												
299-W15-48	70	72	B1HK32		3/22/2006												
299-W15-48	73	75	B1HK34		3/27/2006												
299-W15-48	73	75	B1HK35		3/27/2006												
299-W15-48	100	102	B1HK49		4/4/2006												
299-W15-48	100	102	B1HK50		4/4/2006												
299-W15-48	100	102	B1HK52		4/4/2006												
299-W15-48	100	102	B1HK52		4/4/2006												
299-W15-48	103	105	B1HK44	R	4/6/2006												
299-W15-48	103	105	B1HK45	R	4/6/2006												
299-W15-48	103	105	B1HK47	R	4/6/2006												
299-W15-48	103	105	B1HL19	R	4/6/2006												
299-W15-48	103	105	B1HL20	R	4/6/2006												
299-W15-48	103	105	B1HL22	R	4/6/2006												

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Percent moisture (dry sample) (%MOISTURE-D)				Percent moisture (wet sample) (%MOISTURE)				Percent Solids (%SOLIDS)			
						D2216				D2216				Gravimetry			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1HK40		4/13/2006												
299-W15-48	118.5	120.5	B1HK42		4/13/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006	20.9	%			17.3	%						
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	128.5	130.5	B1HK62		4/24/2006	24.7	%			19.8	%			80.2	%		
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	131.5	133	B1HK67		4/27/2006	16.7	%			14.3	%			85.7	%		
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006	6	%			5.6	%						
299-W15-48	135	140	B1HL23	S	5/3/2006												
299-W15-48	135	140	B1HL24	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006												
			B1HKY0	EB	4/19/2006												

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	pH Measurement (PH)				Specific gravity (SPECGVTY)				Total solids (TS)			
						150.1				D854				160.3			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	0	0.5	B1HL28		2/14/2006									6.7	%		
299-W15-48	52.5	54.5	B1HKB1		3/13/2006									4.5	%		
299-W15-48	52.5	54.5	B1HKB3		3/13/2006									4.5	%		
299-W15-48	67	69	B1HK24		3/20/2006									5.7	%		
299-W15-48	67	69	B1HK25		3/20/2006									2.5	%		
299-W15-48	67	69	B1HK27		3/20/2006									5.6	%		
299-W15-48	70	72	B1HK29		3/22/2006									1.9	%		
299-W15-48	70	72	B1HK30		3/22/2006									1.9	%		
299-W15-48	70	72	B1HK32		3/22/2006									5.6	%		
299-W15-48	73	75	B1HK34		3/27/2006									2.3	%		
299-W15-48	73	75	B1HK35		3/27/2006									2.3	%		
299-W15-48	100	102	B1HK49		4/4/2006									9.6	%		
299-W15-48	100	102	B1HK50		4/4/2006									9.6	%		
299-W15-48	100	102	B1HK52		4/4/2006									7.4	%		
299-W15-48	100	102	B1HK52		4/4/2006					2.7394	unitless						
299-W15-48	103	105	B1HK44	R	4/6/2006									11	%		
299-W15-48	103	105	B1HK45	R	4/6/2006									10.8	%		
299-W15-48	103	105	B1HK47	R	4/6/2006									6.3	%		
299-W15-48	103	105	B1HL19	R	4/6/2006									9	%		
299-W15-48	103	105	B1HL20	R	4/6/2006									9	%		
299-W15-48	103	105	B1HL22	R	4/6/2006									7.9	%		

Table B-13. Physical Property Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (12 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	pH Measurement (PH)				Specific gravity (SPECGVTY)				Total solids (TS)			
						150.1				D854				160.3			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	118.5	120.5	B1HK40		4/13/2006									7.7	%		
299-W15-48	118.5	120.5	B1HK42		4/13/2006									8.6	%		
299-W15-48	122.5	124.5	B1HK57		4/18/2006									17.4	%		
299-W15-48	122.5	124.5	B1HK57		4/18/2006					2.8049	unitless						
299-W15-48	128.5	130.5	B1HK62		4/24/2006									19.6	%		
299-W15-48	128.5	130.5	B1HK62		4/24/2006					2.7102	unitless						
299-W15-48	131.5	133	B1HK67		4/27/2006									13.3	%		
299-W15-48	131.5	133	B1HK67		4/27/2006					2.732	unitless						
299-W15-48	135	140	B1HK77	S	5/3/2006									4.2	%		
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HL23	S	5/3/2006									73.2	%		
299-W15-48	135	140	B1HL24	S	5/3/2006									5	%		
299-W15-48	135	140	B1HL26	S	5/3/2006									6.2	%		
299-W15-48	135	140	B1HL26	S	5/3/2006												
			B1HKY0	EB	4/19/2006	6	pH										

Table B-14. Wet Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (5 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Lab Code	Ammonia (7664-41-7)				Ammonium ion (14798-03-9)				Nitrate (14797-55-8)				Nitrate (14797-55-8)			
							350.1				300.7				300				9056			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	STLSL	3400	µg/kg	B										124000	µg/kg		
299-W15-48	67	69	B1HK27		3/20/2006	STLSL	2800	µg/kg	U										487	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	STLSL	2800	µg/kg	U										62400	µg/kg		
299-W15-48	100	102	B1HK52		4/4/2006	STLSL	11200	µg/kg	U										6990000	µg/kg		
299-W15-48	103	105	B1HK47	R	4/6/2006	STLSL	11100	µg/kg	U										6820000	µg/kg		
299-W15-48	103	105	B1HL22	R	4/6/2006	STLSL	11300	µg/kg	U										4830000	µg/kg		
299-W15-48	118.5	120.5	B1HK42		4/13/2006	STLSL	2800	µg/kg	U										478000	µg/kg		
299-W15-48	122.5	124.5	B1HK57		4/18/2006	STLSL																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	WSCF					18300	µg/kg			828000	µg/kg	D					
299-W15-48	128.5	130.5	B1HK62		4/24/2006	STLSL																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	WSCF					3710	µg/kg			695000	µg/kg						
299-W15-48	131.5	133	B1HK67		4/27/2006	WSCF					4970	µg/kg			452000	µg/kg						
299-W15-48	131.5	133	B1HK67		4/27/2006	STLSL																
299-W15-48	135	140	B1HK77	S	5/3/2006	STLSL																
299-W15-48	135	140	B1HK77	S	5/3/2006	WSCF					21500	µg/kg			61100	µg/kg						
299-W15-48	135	140	B1HL26	S	5/3/2006	RLNP																
299-W15-48	135	140	B1HL26	S	5/3/2006	STLSL	2800	µg/kg	U										79700	µg/kg		
			B1HKY0	EB	4/19/2006	WSCF					14.2	µg/L	B		79.7	µg/L	U					
			B1HKY0	EB	4/19/2006	STLSL																
					TQL (µg/kg)		(a)				(a)				(a)				(a)			

(a) Refer to appropriate "Nitrogen in ..." column.

Table B-14. Wet Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (5 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Nitrite (14797-65-0)				Nitrite (14797-65-0)				Nitrogen in nitrite and nitrate (NO2+NO3-N)				Nitrogen in nitrite and nitrate (NO2+NO3-N)			
						300				9056				353.1				353.2			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006					210	µg/kg	U		23000	µg/kg						
299-W15-48	67	69	B1HK27		3/20/2006					213	µg/kg	U		770	µg/kg						
299-W15-48	70	72	B1HK32		3/22/2006					213	µg/kg	U		15600	µg/kg						
299-W15-48	100	102	B1HK52		4/4/2006					141	µg/kg	U		1670000	µg/kg						
299-W15-48	103	105	B1HK47	R	4/6/2006					141	µg/kg	U		1520000	µg/kg						
299-W15-48	103	105	B1HL22	R	4/6/2006					141	µg/kg	U		1290000	µg/kg						
299-W15-48	118.5	120.5	B1HK42		4/13/2006					3940	µg/kg			129000	µg/kg						
299-W15-48	122.5	124.5	B1HK57		4/18/2006									236000	µg/kg						
299-W15-48	122.5	124.5	B1HK57		4/18/2006	1610	µg/kg	U													
299-W15-48	128.5	130.5	B1HK62		4/24/2006									205000	µg/kg						
299-W15-48	128.5	130.5	B1HK62		4/24/2006	1610	µg/kg	U													
299-W15-48	131.5	133	B1HK67		4/27/2006	1610	µg/kg	U													
299-W15-48	131.5	133	B1HK67		4/27/2006									126000	µg/kg						
299-W15-48	135	140	B1HK77	S	5/3/2006									21700	µg/kg						
299-W15-48	135	140	B1HK77	S	5/3/2006	1610	µg/kg	U													
299-W15-48	135	140	B1HL26	S	5/3/2006													18900	µg/kg	D	
299-W15-48	135	140	B1HL26	S	5/3/2006					1050	µg/kg			26000	µg/kg						
			B1HKY0	EB	4/19/2006	32.8	µg/L	U													
			B1HKY0	EB	4/19/2006									3.1	µg/L	U					
					TQL (µg/kg)	(a)				(a)				750				750			

Table B-14. Wet Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (5 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Chloride (16887-00-6)				Chloride (16887-00-6)				Cyanide (57-12-5)				Fluoride (16984-48-8)			
						300				9056				335.2				300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006					7000	µg/kg										
299-W15-48	67	69	B1HK27		3/20/2006					21300	µg/kg										
299-W15-48	70	72	B1HK32		3/22/2006					93700	µg/kg										
299-W15-48	100	102	B1HK52		4/4/2006					93200	µg/kg										
299-W15-48	103	105	B1HK47	R	4/6/2006					72600	µg/kg										
299-W15-48	103	105	B1HL22	R	4/6/2006					53100	µg/kg										
299-W15-48	118.5	120.5	B1HK42		4/13/2006					5700	µg/kg	C									
299-W15-48	122.5	124.5	B1HK57		4/18/2006																
299-W15-48	122.5	124.5	B1HK57		4/18/2006	5690	µg/kg	B										35300	µg/kg		
299-W15-48	128.5	130.5	B1HK62		4/24/2006																
299-W15-48	128.5	130.5	B1HK62		4/24/2006	8260	µg/kg											2000	µg/kg	U	
299-W15-48	131.5	133	B1HK67		4/27/2006	6110	µg/kg	B										3660	µg/kg	B	
299-W15-48	131.5	133	B1HK67		4/27/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006																
299-W15-48	135	140	B1HK77	S	5/3/2006	6010	µg/kg											6440	µg/kg		
299-W15-48	135	140	B1HL26	S	5/3/2006																
299-W15-48	135	140	B1HL26	S	5/3/2006					4300	µg/kg										
			B1HKY0	EB	4/19/2006	34	µg/L	U						4	µg/L	U		40	µg/L	U	
			B1HKY0	EB	4/19/2006																
					TQL (µg/kg)	2000				2000				N/A				5000			

Table B-14. Wet Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (5 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Fluoride (16984-48-8)				Phosphate (14265-44-2)				Phosphate (14265-44-2)			
						9056				300				9056			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006	2300	µg/kg							2500	µg/kg	B	
299-W15-48	67	69	B1HK27		3/20/2006	1700	µg/kg							200	µg/kg	U	
299-W15-48	70	72	B1HK32		3/22/2006	5800	µg/kg							200	µg/kg	U	
299-W15-48	100	102	B1HK52		4/4/2006	18900	µg/kg							200	µg/kg	U	
299-W15-48	103	105	B1HK47	R	4/6/2006	17400	µg/kg							200	µg/kg	U	
299-W15-48	103	105	B1HL22	R	4/6/2006	15600	µg/kg							200	µg/kg	U	
299-W15-48	118.5	120.5	B1HK42		4/13/2006	51400	µg/kg							200	µg/kg	U	
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006					12000	µg/kg	U					
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	128.5	130.5	B1HK62		4/24/2006					12000	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006					12000	µg/kg	U					
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006					12000	µg/kg	U					
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006	11000	µg/kg							3900	µg/kg	B	
			B1HKY0	EB	4/19/2006					239	µg/L	U					
			B1HKY0	EB	4/19/2006												
					TQL (µg/kg)	5000				5000				5000			

Table B-14. Wet Chemistry Analysis Results for Slant Borehole C3427 (216-Z-9 Trench, 299-W15-48) (5 Pages)

Location	Sample Top (ft downhole)	Sample Bottom (ft downhole)	Sample	Sample Type	Sample Date	Sulfate (14808-79-8)				Sulfate (14808-79-8)				Sulfide (18496-25-8)			
						300				9056				9030			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
299-W15-48	52.5	54.5	B1HKB3		3/13/2006					156000	µg/kg						
299-W15-48	67	69	B1HK27		3/20/2006					164000	µg/kg						
299-W15-48	70	72	B1HK32		3/22/2006					255000	µg/kg						
299-W15-48	100	102	B1HK52		4/4/2006					148000	µg/kg						
299-W15-48	103	105	B1HK47	R	4/6/2006					81600	µg/kg						
299-W15-48	103	105	B1HL22	R	4/6/2006					63300	µg/kg						
299-W15-48	118.5	120.5	B1HK42		4/13/2006					82900	µg/kg						
299-W15-48	122.5	124.5	B1HK57		4/18/2006												
299-W15-48	122.5	124.5	B1HK57		4/18/2006	10600	µg/kg	B									
299-W15-48	128.5	130.5	B1HK62		4/24/2006												
299-W15-48	128.5	130.5	B1HK62		4/24/2006	11400	µg/kg	B									
299-W15-48	131.5	133	B1HK67		4/27/2006	38300	µg/kg										
299-W15-48	131.5	133	B1HK67		4/27/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006												
299-W15-48	135	140	B1HK77	S	5/3/2006	28300	µg/kg										
299-W15-48	135	140	B1HL26	S	5/3/2006												
299-W15-48	135	140	B1HL26	S	5/3/2006					33500	µg/kg						
			B1HKY0	EB	4/19/2006	130	µg/L	U									
			B1HKY0	EB	4/19/2006									310	µg/L	U	
					TQL (µg/kg)	5000				5000				N/A			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Antimony (7440-36-0)				Arsenic (7440-38-2)				Arsenic (7440-38-2)				Barium (7440-39-3)			
							6010				200.8				6010				200.8			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	EBRLNE																
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL	1900	µg/kg							670	µg/kg	B					
C4545	22.5	25	B1D9Y5		6/8/2005	EBRLNE																
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL	1700	µg/kg							2000	µg/kg						
C4545	27.5	30	B1D7C7	S	6/13/2005	RLNP																
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF					2080	µg/kg							80800	µg/kg		
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL	1900	µg/kg							2200	µg/kg						
C4545	27.5	30	B1D7C8	S	6/13/2005	EBRLNE																
C4545	49	51.5	B1D7C9	R	6/14/2005	RLNP																
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF					1570	µg/kg							58600	µg/kg		
C4545	49	51.5	B1D7D0	R	6/14/2005	RLNP																
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF					1260	µg/kg							82300	µg/kg		
C4545	104	106.5	B1D992		6/23/2005	WSCF					2100	µg/kg							44800	µg/kg		
C4545	104	106.5	B1D992		6/23/2005	RLNP																
C4545	178	180.5	B1D993		6/27/2005	WSCF					1240	µg/kg							57300	µg/kg		
C4545	178	180.5	B1D993		6/27/2005	RLNP																
C4545	234	236.5	B1D994		6/29/2005	RLNP																
C4545	234	236.5	B1D994		6/29/2005	WSCF					2450	µg/kg							48900	µg/kg		
C4545	262	264.5	B1D995		6/30/2005	RLNP																
C4545	262	264.5	B1D995		6/30/2005	WSCF					650	µg/kg							25500	µg/kg		
			B1D7F1	EB	6/7/2005	WSCF					0.4	µg/L	U						4	µg/L	U	
					TQL (µg/kg)		N/R				10000				1000				20000			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Barium (7440-39-3)				Bismuth (7440-69-9)				Cadmium (7440-43-9)				Cadmium (7440-43-9)				Chromium (7440-47-3)			
						6010				6010				200.8				6010				200.8			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																				
C4545	19	21.5	B1D9Y4		6/8/2005	65100	µg/kg			102000	µg/kg							130	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005																				
C4545	22.5	25	B1D9Y5		6/8/2005	85100	µg/kg			94300	µg/kg							130	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005																				
C4545	27.5	30	B1D7C7	S	6/13/2005					1100	µg/kg	U		157	µg/kg							4620	µg/kg		
C4545	27.5	30	B1D7C8	S	6/13/2005	88600	µg/kg			97500	µg/kg							140	µg/kg	U					
C4545	27.5	30	B1D7C8	S	6/13/2005																				
C4545	49	51.5	B1D7C9	R	6/14/2005																				
C4545	49	51.5	B1D7C9	R	6/14/2005					1100	µg/kg	U		195	µg/kg							7800	µg/kg		
C4545	49	51.5	B1D7D0	R	6/14/2005																				
C4545	49	51.5	B1D7D0	R	6/14/2005					1100	µg/kg	U		118	µg/kg							6740	µg/kg		
C4545	104	106.5	B1D992		6/23/2005					1090	µg/kg	U		240	µg/kg							6060	µg/kg		
C4545	104	106.5	B1D992		6/23/2005																				
C4545	178	180.5	B1D993		6/27/2005					1100	µg/kg	U		122	µg/kg							41800	µg/kg		
C4545	178	180.5	B1D993		6/27/2005																				
C4545	234	236.5	B1D994		6/29/2005																				
C4545	234	236.5	B1D994		6/29/2005					1080	µg/kg	U		104	µg/kg	U						10200	µg/kg		
C4545	262	264.5	B1D995		6/30/2005																				
C4545	262	264.5	B1D995		6/30/2005					1080	µg/kg	U		105	µg/kg	U						5830	µg/kg		
			B1D7F1	EB	6/7/2005					22	µg/L	U		0.1	µg/L	U						4	µg/L	U	
					TQL (µg/kg)	500				N/R				500				500				1000			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chromium (7440-47-3)				Copper (7440-50-8)				Copper (7440-50-8)				Hexavalent chromium (18540-29-9)				Lead (7439-92-1)			
						6010				200.8				6010				7196				200.8			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																				
C4545	19	21.5	B1D9Y4		6/8/2005	4100	µg/kg							13100	µg/kg			250	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005																				
C4545	22.5	25	B1D9Y5		6/8/2005	3300	µg/kg							13200	µg/kg			250	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005													278	µg/kg						
C4545	27.5	30	B1D7C7	S	6/13/2005					13700	µg/kg											5340	µg/kg		
C4545	27.5	30	B1D7C8	S	6/13/2005	6900	µg/kg	C						14700	µg/kg			250	µg/kg	U					
C4545	27.5	30	B1D7C8	S	6/13/2005																				
C4545	49	51.5	B1D7C9	R	6/14/2005													270	µg/kg						
C4545	49	51.5	B1D7C9	R	6/14/2005					9860	µg/kg											2140	µg/kg		
C4545	49	51.5	B1D7D0	R	6/14/2005													200	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005					10900	µg/kg											1890	µg/kg		
C4545	104	106.5	B1D992		6/23/2005					6630	µg/kg											3100	µg/kg		
C4545	104	106.5	B1D992		6/23/2005													204	µg/kg	U					
C4545	178	180.5	B1D993		6/27/2005					8910	µg/kg											2710	µg/kg		
C4545	178	180.5	B1D993		6/27/2005													204	µg/kg	U					
C4545	234	236.5	B1D994		6/29/2005													205	µg/kg	U					
C4545	234	236.5	B1D994		6/29/2005					9070	µg/kg											3010	µg/kg		
C4545	262	264.5	B1D995		6/30/2005													216	µg/kg	U					
C4545	262	264.5	B1D995		6/30/2005					5010	µg/kg											1390	µg/kg		
			B1D7F1	EB	6/7/2005					2	µg/L	U						3	µg/L	U		0.2	µg/L	U	
					TQL (µg/kg)	1000				N/R				N/R				500				10000			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lead (7439-92-1)				Mercury (7439-97-6)				Mercury (7439-97-6)				Nickel (7440-02-0)				Nickel (7440-02-0)			
						6010				200.8				7471				200.8				6010			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																				
C4545	19	21.5	B1D9Y4		6/8/2005	1900	µg/kg	C						300	µg/kg							6100	µg/kg		
C4545	22.5	25	B1D9Y5		6/8/2005																				
C4545	22.5	25	B1D9Y5		6/8/2005	1500	µg/kg	C						7	µg/kg	U						4900	µg/kg		
C4545	27.5	30	B1D7C7	S	6/13/2005																				
C4545	27.5	30	B1D7C7	S	6/13/2005					106	µg/kg	U						6170	µg/kg						
C4545	27.5	30	B1D7C8	S	6/13/2005	3000	µg/kg	C						8	µg/kg	U						7000	µg/kg		
C4545	27.5	30	B1D7C8	S	6/13/2005																				
C4545	49	51.5	B1D7C9	R	6/14/2005																				
C4545	49	51.5	B1D7C9	R	6/14/2005					105	µg/kg	U						9620	µg/kg						
C4545	49	51.5	B1D7D0	R	6/14/2005																				
C4545	49	51.5	B1D7D0	R	6/14/2005					103	µg/kg	U						30600	µg/kg						
C4545	104	106.5	B1D992		6/23/2005					102	µg/kg	U						7110	µg/kg						
C4545	104	106.5	B1D992		6/23/2005																				
C4545	178	180.5	B1D993		6/27/2005					119	µg/kg							25400	µg/kg						
C4545	178	180.5	B1D993		6/27/2005																				
C4545	234	236.5	B1D994		6/29/2005																				
C4545	234	236.5	B1D994		6/29/2005					104	µg/kg	U						12700	µg/kg						
C4545	262	264.5	B1D995		6/30/2005																				
C4545	262	264.5	B1D995		6/30/2005					105	µg/kg	U						3890	µg/kg						
			B1D7F1	EB	6/7/2005					0.1	µg/L	U						0.128	µg/L						
					TQL (µg/kg)	1000				200				200				N/R				N/R			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Phosphorus (7723-14-0)				Selenium (7782-49-2)				Selenium (7782-49-2)				Silver (7440-22-4)			
						6010				200.8				6010				200.8			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	19	21.5	B1D9Y4		6/8/2005	1430000	µg/kg	C						1800	µg/kg	C					
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005	1130000	µg/kg	C						1400	µg/kg	C					
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005	878000	µg/kg			640	µg/kg							106	µg/kg	U	
C4545	27.5	30	B1D7C8	S	6/13/2005	1040000	µg/kg	C						1200	µg/kg						
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	781000	µg/kg			583	µg/kg							135	µg/kg		
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005	694000	µg/kg			412	µg/kg	U						103	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	508000	µg/kg			408	µg/kg	U						102	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005	612000	µg/kg			420	µg/kg	U						105	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	451000	µg/kg			416	µg/kg	U						104	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005	536000	µg/kg			420	µg/kg	U						105	µg/kg	U	
			B1D7F1	EB	6/7/2005	59.2	µg/L			0.4	µg/L	U						0.1	µg/L	U	
					TQL (µg/kg)	N/R				10000				1000				2000			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Silver (7440-22-4)				Thallium (7440-28-0)				Uranium (7440-61-1)				Uranium (7440-61-1)			
						6010				6010				200.8				KPA			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005													2160	µg/kg		
C4545	19	21.5	B1D9Y4		6/8/2005	260	µg/kg	U		2500	µg/kg										
C4545	22.5	25	B1D9Y5		6/8/2005													997	µg/kg		
C4545	22.5	25	B1D9Y5		6/8/2005	260	µg/kg	U		2100	µg/kg										
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005									450	µg/kg						
C4545	27.5	30	B1D7C8	S	6/13/2005	270	µg/kg	U		840	µg/kg	B									
C4545	27.5	30	B1D7C8	S	6/13/2005													1100	µg/kg		
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005									410	µg/kg						
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005									370	µg/kg						
C4545	104	106.5	B1D992		6/23/2005									400	µg/kg						
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005									460	µg/kg						
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005									300	µg/kg						
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005									180	µg/kg						
			B1D7F1	EB	6/7/2005									0.1	µg/L	U					
					TQL (µg/kg)	500				N/R				N/R				N/R			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Total inorganic carbon (TINC)				Total inorganic carbon (TINC)				Total organic carbon (TOC)				Total organic carbon (TOC)			
							415.1				9060				415.1				9060			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	1.5	1.5	B1D7C5		6/2/2005	RLNP																
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL					1490000	µg/kg							499000	µg/kg		
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL					793000	µg/kg							1020000	µg/kg		
C4545	27.5	30	B1D7C7	S	6/13/2005	RLNP	100000	µg/kg	U	UJ					224000	µg/kg		J				
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF																
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL					732000	µg/kg	UJ	UJ					947000	µg/kg	J	J
C4545	49	51.5	B1D7C9	R	6/14/2005	RLNP	2250000	µg/kg							54000	µg/kg	U					
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF																
C4545	49	51.5	B1D7D0	R	6/14/2005	RLNP	470000	µg/kg	U						115000	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF																
C4545	104	106.5	B1D992		6/23/2005	RLNP	2910000	µg/kg							43700	µg/kg						
C4545	104	106.5	B1D992		6/23/2005	WSCF																
C4545	178	180.5	B1D993		6/27/2005	RLNP	1370000	µg/kg							71200	µg/kg	U					
C4545	178	180.5	B1D993		6/27/2005	WSCF																
C4545	234	236.5	B1D994		6/29/2005	RLNP	45600	µg/kg	U						743000	µg/kg						
C4545	234	236.5	B1D994		6/29/2005	WSCF																
C4545	262	264.5	B1D995		6/30/2005	WSCF																
C4545	262	264.5	B1D995		6/30/2005	RLNP	104000	µg/kg	U						224000	µg/kg						
			B1D7F1	EB	6/7/2005	WSCF																
			B1D7F2	EB	6/7/2005	RLNP									500	µg/L	U					
					TQL (µg/kg)		25000				25000				25000				25000			

Table B-15. Metal Analysis Results for Borehole C4545 (216-A-8 Crib) (8 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Total petroleum hydrocarbons - diesel range (TPHDIESEL)				Total petroleum hydrocarbons - kerosene range (TPHKEROSENE)				Toxaphene (8001-35-2)			
						WDOE TPH				WDOE TPH				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	1.5	1.5	B1D7C5		6/2/2005									170	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005	940	µg/kg	U		500	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005	940	µg/kg	U		500	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005												
C4545	27.5	30	B1D7C7	S	6/13/2005	4000	µg/kg	U		4000	µg/kg	U					
C4545	27.5	30	B1D7C8	S	6/13/2005	520	µg/kg	U		520	µg/kg	U					
C4545	49	51.5	B1D7C9	R	6/14/2005												
C4545	49	51.5	B1D7C9	R	6/14/2005	3800	µg/kg	U		3800	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005												
C4545	49	51.5	B1D7D0	R	6/14/2005	3800	µg/kg	U		3800	µg/kg	U					
C4545	104	106.5	B1D992		6/23/2005												
C4545	104	106.5	B1D992		6/23/2005	3800	µg/kg	U		3800	µg/kg	U					
C4545	178	180.5	B1D993		6/27/2005												
C4545	178	180.5	B1D993		6/27/2005	3800	µg/kg	U		3800	µg/kg	U					
C4545	234	236.5	B1D994		6/29/2005												
C4545	234	236.5	B1D994		6/29/2005	3800	µg/kg	U		3800	µg/kg	U					
C4545	262	264.5	B1D995		6/30/2005	4000	µg/kg	U		4000	µg/kg	U					
C4545	262	264.5	B1D995		6/30/2005												
			B1D7F1	EB	6/7/2005	71	µg/L	U		71	µg/L	U					
			B1D7F2	EB	6/7/2005												
					TQL (µg/kg)	5000				5000				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	2,4,5-T(2,4,5-Trichlorophenoxy acetic acid) (93-76-5)				2,4,5-TP(2-(2,4,5-Trichlorophenoxy propionic acid) silvex (93-72-1)				2,4-D(2,4-Dichlorophenoxy acetic acid) (94-75-7)				2,4-DB(4-(2,4-Dichlorophenoxy) butanoic acid) (94-82-6)			
							8151				8151				8151				8151			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	RLNP	17	µg/kg	U		17	µg/kg	U		35	µg/kg	U		170	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL																
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL																
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF																
C4545	27.5	30	B1D7C7	S	6/13/2005	SHAW																
C4545	27.5	30	B1D7C7	S	6/13/2005	RLNP																
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL																
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF																
C4545	49	51.5	B1D7C9	R	6/14/2005	SHAW																
C4545	49	51.5	B1D7C9	R	6/14/2005	RLNP																
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF																
C4545	49	51.5	B1D7D0	R	6/14/2005	RLNP																
C4545	104	106.5	B1D992		6/23/2005	SHAW																
C4545	104	106.5	B1D992		6/23/2005	RLNP																
C4545	104	106.5	B1D992		6/23/2005	WSCF																
C4545	178	180.5	B1D993		6/27/2005	WSCF																
C4545	178	180.5	B1D993		6/27/2005	RLNP																
C4545	178	180.5	B1D993		6/27/2005	SHAW																
C4545	234	236.5	B1D994		6/29/2005	RLNP																
C4545	234	236.5	B1D994		6/29/2005	SHAW																
C4545	234	236.5	B1D994		6/29/2005	WSCF																
C4545	262	264.5	B1D995		6/30/2005	SHAW																
C4545	262	264.5	B1D995		6/30/2005	RLNP																
C4545	262	264.5	B1D995		6/30/2005	WSCF																
			B1D7F1	EB	6/7/2005	WSCF																
					TQL (µg/kg)		Not listed				Not listed				Not listed				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4,4"-DDD (Dichlorodiphenyl dichloroethane) (72-54-8)				4,4"-DDE (Dichlorodiphenyl dichloroethylene) (72-55-9)				4,4"-DDT (Dichlorodiphenyl trichloroethane) (50-29-3)				Aldrin (309-00-2)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	3.5	µg/kg	U		3.5	µg/kg	U		3.5	µg/kg	U		1.7	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
			B1D7F1	EB	6/7/2005																
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Alpha-BHC (319-84-6)				Alpha-chlordane (5103-71-9)				Aroclor-1016 (12674-11-2)				Aroclor-1221 (11104-28-2)			
						8081				8081				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	1.7	µg/kg	U		1.7	µg/kg	U									
C4545	19	21.5	B1D9Y4		6/8/2005									4.7	µg/kg	U		4.7	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005									4.7	µg/kg	U		4.7	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005									13	µg/kg	U		27	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005									4.9	µg/kg	U		4.9	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005									13	µg/kg	U		25	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005									13	µg/kg	U		25	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005									13	µg/kg	U		25	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005									10	µg/kg	U		20	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005									10	µg/kg	U		20	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005									11	µg/kg	U		21	µg/kg	U	
			B1D7F1	EB	6/7/2005									0.094	µg/L	U		0.19	µg/L	U	
					TQL (µg/kg)	Not listed				Not listed				16.5				16.5			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Aroclor-1232 (11141-16-5)				Aroclor-1242 (53469-21-9)				Aroclor-1248 (12672-29-6)				Aroclor-1254 (11097-69-1)			
						8082				8082				8082				8082			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005																
C4545	19	21.5	B1D9Y4		6/8/2005	4.7	µg/kg	U		4.7	µg/kg	U		4.7	µg/kg	U		4.8	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	4.7	µg/kg	U		4.7	µg/kg	U		4.7	µg/kg	U		4.8	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U		13	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005	4.9	µg/kg	U		4.9	µg/kg	U		4.9	µg/kg	U		5	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U		13	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U		13	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U		13	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	10	µg/kg	U		10	µg/kg	U		10	µg/kg	U		10	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	10	µg/kg	U		10	µg/kg	U		10	µg/kg	U		39	µg/kg		
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U		11	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.094	µg/L	U		0.094	µg/L	U		0.094	µg/L	U		0.094	µg/L	U	
					TQL (µg/kg)	16.5				16.5				16.5				16.5			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Aroclor-1260 (11096-82-5)				Aroclor-1262 (37324-23-5)				Aroclor-1268 (11100-14-4)				beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC) (319-85-7)			
						8082				8082				8082				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005													1.7	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005	4.8	µg/kg	U													
C4545	22.5	25	B1D9Y5		6/8/2005	4.8	µg/kg	U													
C4545	27.5	30	B1D7C7	S	6/13/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005	5	µg/kg	U													
C4545	49	51.5	B1D7C9	R	6/14/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U					
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005	13	µg/kg	U		13	µg/kg	U		13	µg/kg	U					
C4545	178	180.5	B1D993		6/27/2005	10	µg/kg	U		10	µg/kg	U		10	µg/kg	U					
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	10	µg/kg	U		10	µg/kg	U		10	µg/kg	U					
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005	11	µg/kg	U		11	µg/kg	U		11	µg/kg	U					
			B1D7F1	EB	6/7/2005	0.094	µg/L	U		0.094	µg/L	U		0.094	µg/L	U					
					TQL (µg/kg)	16.5				16.5				16.5				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Calcium carbonate (471-34-1)				Dalapon (75-99-0)				Delta-BHC (319-86-8)				Dicamba (1918-00-9)			
						D4373				8151				8081				8151			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005					170	µg/kg	U		1.7	µg/kg	U		70	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005	0	%	U													
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	1	%														
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005	2	%														
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005	1	%														
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	1	%														
C4545	234	236.5	B1D994		6/29/2005																
C4545	262	264.5	B1D995		6/30/2005	0	%														
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
			B1D7F1	EB	6/7/2005																
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Dichloroprop (120-36-5)				Dieldrin (60-57-1)				Dinoseb(2-sec butyl-4,6-dinitrophenol) (88-85-7)				Endosulfan I (959-98-8)			
						8151				8081				8151				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	170	µg/kg	U		1.7	µg/kg	U		17	µg/kg	U		1.7	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
			B1D7F1	EB	6/7/2005																
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Endosulfan II (33213-65-9)				Endosulfan sulfate (1031-07-8)				Endrin (72-20-8)				Endrin aldehyde (7421-93-4)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	3.5	µg/kg	U		3.5	µg/kg	U		3.5	µg/kg	U		3.5	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
			B1D7F1	EB	6/7/2005																
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Endrin ketone (53494-70-5)				Gamma-BHC (Lindane) (58-89-9)				Gamma-chlordane (5103-74-2)				Heptachlor (76-44-8)			
						8081				8081				8081				8081			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	3.5	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005																
			B1D7F1	EB	6/7/2005																
					TQL (µg/kg)	Not listed				Not listed				Not listed				Not listed			

Table B-16. General Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (10 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Heptachlor epoxide (1024-57-3)				Methoxychlor (72-43-5)				Oil and grease (OIL/GREASE)				Oil and grease (OIL/GREASE)			
						8081				8081				413.1				9071			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	99999	1.5	B1D7C5		6/2/2005	1.7	µg/kg	U		17	µg/kg	U									
C4545	19	21.5	B1D9Y4		6/8/2005													82600	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005													82600	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005									703000	µg/kg	U					
C4545	27.5	30	B1D7C8	S	6/13/2005													86600	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005									679000	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005									680000	µg/kg	U					
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005													680000	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005																
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005													680000	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005																
C4545	234	236.5	B1D994		6/29/2005													684000	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005																
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005													720000	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005																
			B1D7F1	EB	6/7/2005																
					TQL (µg/kg)	Not listed				Not listed				200000				200000			

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Americium-241 (14596-10-2) GEA					Americium-241 (14596-10-2) IX/Plate/AEA					Americium-241 (14596-10-2) IX/Prec/AEA				
							Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	EBRLNE	1300	pCi/g	U		1300	4.99	pCi/g	U		13					
C4545	22.5	25	B1D9Y5		6/8/2005	EBRLNE	0.14	pCi/g	U		0.14	-0.054	pCi/g	U		0.1					
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF											0.026	pCi/g	U		0.032
C4545	27.5	30	B1D7C7	S	6/13/2005	EBRLNE	0.74	pCi/g	U		0.74										
C4545	27.5	30	B1D7C8	S	6/13/2005	EBRLNE	1.9	pCi/g	U		1.9	-0.014	pCi/g	U		0.11					
C4545	27.5	30	B1D7C8	S	6/13/2005	STLRL															
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF											-0.021	pCi/g	U		0.057
C4545	49	51.5	B1D7C9	R	6/14/2005	EBRLNE	0.23	pCi/g	U		0.23										
C4545	49	51.5	B1D7D0	R	6/14/2005	EBRLNE	0.21	pCi/g	U		0.21										
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF											0.004	pCi/g	U		0.042
C4545	104	106.5	B1D992		6/23/2005	EBRLNE	0.2	pCi/g	U		0.2										
C4545	104	106.5	B1D992		6/23/2005	WSCF											0.009	pCi/g	U		0.06
C4545	178	180.5	B1D993		6/27/2005	EBRLNE	0.21	pCi/g	U		0.21										
C4545	178	180.5	B1D993		6/27/2005	WSCF											0.014	pCi/g	U		0.046
C4545	234	236.5	B1D994		6/29/2005	WSCF											0.008	pCi/g	U		0.047
C4545	234	236.5	B1D994		6/29/2005	EBRLNE	0.41	pCi/g	U		0.41										
C4545	262	264.5	B1D995		6/30/2005	EBRLNE	0.13	pCi/g	U		0.13										
C4545	262	264.5	B1D995		6/30/2005	WSCF											-0.007	pCi/g	U		0.055
			B1D7F1	EB	6/7/2005	EBRLNE															
			B1D7F1	EB	6/7/2005	WSCF											0.039	pCi/L	U		0.15
			B1D7F2	EB	6/7/2005	EBRLNE	15	pCi/L	U		15										
					TQL (pCi/g)		1					1					1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Antimony-125 (14234-35-6)					Carbon-14 (14762-75-5)					Carbon-14 (14762-75-5)				
						GEA					ChemOx/LSC					CombOx/LSC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	1800	pCi/g	U		1800						81.4	pCi/g			60
C4545	22.5	25	B1D9Y5		6/8/2005	0.42	pCi/g	U		0.42						-0.144	pCi/g	U		2.5
C4545	27.5	30	B1D7C7	S	6/13/2005	-0.418	pCi/g	U		1										
C4545	27.5	30	B1D7C7	S	6/13/2005	4.4	pCi/g	U		4.4						89.7	pCi/g			2.8
C4545	27.5	30	B1D7C8	S	6/13/2005	2	pCi/g	U		2										
C4545	27.5	30	B1D7C8	S	6/13/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005	0.16	pCi/g	U		0.16						-0.51	pCi/g	U		2.3
C4545	49	51.5	B1D7D0	R	6/14/2005	0.19	pCi/g	U		0.19						-0.031	pCi/g	U		2.7
C4545	49	51.5	B1D7D0	R	6/14/2005	-0.006	pCi/g	U		0.029										
C4545	104	106.5	B1D992		6/23/2005	0.19	pCi/g	U		0.19						4.34	pCi/g			2.7
C4545	104	106.5	B1D992		6/23/2005															
C4545	178	180.5	B1D993		6/27/2005	0.15	pCi/g	U		0.15						-0.162	pCi/g	U		3.6
C4545	178	180.5	B1D993		6/27/2005															
C4545	234	236.5	B1D994		6/29/2005															
C4545	234	236.5	B1D994		6/29/2005	0.37	pCi/g	U		0.37						0	pCi/g	U		2.6
C4545	262	264.5	B1D995		6/30/2005	0.11	pCi/g	U		0.11						-1.11	pCi/g	U		3.1
C4545	262	264.5	B1D995		6/30/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005	9.06	pCi/L	U		21										
			B1D7F2	EB	6/7/2005						-4.74	pCi/L	U		39					
					TQL (pCi/g)	0.3					1					1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Carbon-14 (14762-75-5)					Cesium-134 (13967-70-9)					Cesium-137 (10045-97-3)				
						LSC					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005						340	pCi/g	U		340	877000	pCi/g			590
C4545	22.5	25	B1D9Y5		6/8/2005						0.26	pCi/g	U		0.26	1.36	pCi/g			0.17
C4545	27.5	30	B1D7C7	S	6/13/2005						0.071	pCi/g	U		0.098	2610	pCi/g			0.24
C4545	27.5	30	B1D7C7	S	6/13/2005						0.16	pCi/g	U		0.16	3730	pCi/g			0.84
C4545	27.5	30	B1D7C8	S	6/13/2005						0.13	pCi/g	U		0.13	1610	pCi/g			0.53
C4545	27.5	30	B1D7C8	S	6/13/2005	0.004	pCi/g	U		0.815						764	pCi/g			0.116
C4545	49	51.5	B1D7C9	R	6/14/2005											0.538	pCi/g			0.01
C4545	49	51.5	B1D7C9	R	6/14/2005						0.089	pCi/g	U		0.089	0.432	pCi/g			0.078
C4545	49	51.5	B1D7D0	R	6/14/2005						0.1	pCi/g	U		0.1	0.66	pCi/g			0.11
C4545	49	51.5	B1D7D0	R	6/14/2005						0.026	pCi/g	U		0.03	0.729	pCi/g			0.01
C4545	104	106.5	B1D992		6/23/2005						0.11	pCi/g	U		0.11	0.084	pCi/g	U		0.084
C4545	104	106.5	B1D992		6/23/2005											-0.001	pCi/g	U		0.01
C4545	178	180.5	B1D993		6/27/2005						0.084	pCi/g	U		0.084	0.06	pCi/g	U		0.06
C4545	178	180.5	B1D993		6/27/2005											0.004	pCi/g	U		0.009
C4545	234	236.5	B1D994		6/29/2005											0.003	pCi/g	U		0.013
C4545	234	236.5	B1D994		6/29/2005						0.22	pCi/g	U		0.22	0.15	pCi/g	U		0.15
C4545	262	264.5	B1D995		6/30/2005						0.069	pCi/g	U		0.069	0.051	pCi/g	U		0.051
C4545	262	264.5	B1D995		6/30/2005											0.002	pCi/g	U		0.006
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005						-3.74	pCi/L	U		6.8	-0.667	pCi/L	U		7.7
			B1D7F2	EB	6/7/2005											14	pCi/L	U		14
					TQL (pCi/g)	1					N/R					0.1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Cobalt-60 (10198-40-0)					Europium-152 (14683-23-9)					Europium-154 (15585-10-1)				
						GEA					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	170	pCi/g	U		170	1500	pCi/g	U		1500	520	pCi/g	U		520
C4545	22.5	25	B1D9Y5		6/8/2005	0.21	pCi/g	U		0.21	0.48	pCi/g	U		0.48	0.6	pCi/g	U		0.6
C4545	27.5	30	B1D7C7	S	6/13/2005	-0.002	pCi/g	U		0.019	0.071	pCi/g	U		0.93	-0.03	pCi/g	U		0.14
C4545	27.5	30	B1D7C7	S	6/13/2005	0.088	pCi/g	U		0.088	3.8	pCi/g	U		3.8	0.29	pCi/g	U		0.29
C4545	27.5	30	B1D7C8	S	6/13/2005	0.038	pCi/g	U		0.038	1.6	pCi/g	U		1.6	0.19	pCi/g	U		0.19
C4545	27.5	30	B1D7C8	S	6/13/2005	-0.002	pCi/g	U		0.03	0.029	pCi/g	U		0.675	0.003	pCi/g	U		0.098
C4545	49	51.5	B1D7C9	R	6/14/2005	-0.003	pCi/g	U		0.008	-0.007	pCi/g	U		0.028	0	pCi/g	U		0.029
C4545	49	51.5	B1D7C9	R	6/14/2005	0.07	pCi/g	U		0.07	0.21	pCi/g	U		0.21	0.23	pCi/g	U		0.23
C4545	49	51.5	B1D7D0	R	6/14/2005	0.094	pCi/g	U		0.094	0.22	pCi/g	U		0.22	0.28	pCi/g	U		0.28
C4545	49	51.5	B1D7D0	R	6/14/2005	-0.001	pCi/g	U		0.01	0.003	pCi/g	U		0.031	0.004	pCi/g	U		0.029
C4545	104	106.5	B1D992		6/23/2005	0.092	pCi/g	U		0.092	0.19	pCi/g	U		0.19	0.27	pCi/g	U		0.27
C4545	104	106.5	B1D992		6/23/2005	-0.005	pCi/g	U		0.009	-0.006	pCi/g	U		0.029	0.006	pCi/g	U		0.032
C4545	178	180.5	B1D993		6/27/2005	0.065	pCi/g	U		0.065	0.18	pCi/g	U		0.18	0.2	pCi/g	U		0.2
C4545	178	180.5	B1D993		6/27/2005	-0.004	pCi/g	U		0.008	-0.011	pCi/g	U		0.026	0.004	pCi/g	U		0.028
C4545	234	236.5	B1D994		6/29/2005	0.001	pCi/g	U		0.013	-0.005	pCi/g	U		0.038	0.012	pCi/g	U		0.042
C4545	234	236.5	B1D994		6/29/2005	0.21	pCi/g	U		0.21	0.33	pCi/g	U		0.33	0.64	pCi/g	U		0.64
C4545	262	264.5	B1D995		6/30/2005	0.058	pCi/g	U		0.058	0.11	pCi/g	U		0.11	0.18	pCi/g	U		0.18
C4545	262	264.5	B1D995		6/30/2005	0.001	pCi/g	U		0.006	-0.007	pCi/g	U		0.019	-0.008	pCi/g	U		0.02
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005	-1.25	pCi/L	U		6.5	-3.92	pCi/L	U		22	-9.17	pCi/L	U		19
			B1D7F2	EB	6/7/2005	16	pCi/L	U		16	38	pCi/L	U		38	52	pCi/L	U		52
					TQL (pCi/g)	0.05					0.1					0.1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Europium-155 (14391-16-3)					Gross alpha (12587-46-1)					Gross beta (12587-47-2)				
						GEA					GPC					GPC				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	860	pCi/g	U		860										
C4545	22.5	25	B1D9Y5		6/8/2005	0.24	pCi/g	U		0.24										
C4545	27.5	30	B1D7C7	S	6/13/2005	-0.338	pCi/g	U		0.93	4.8	pCi/g			2.3	1400	pCi/g			1.8
C4545	27.5	30	B1D7C7	S	6/13/2005	1.6	pCi/g	U		1.6										
C4545	27.5	30	B1D7C8	S	6/13/2005	1.2	pCi/g	U		1.2										
C4545	27.5	30	B1D7C8	S	6/13/2005	-0.061	pCi/g	U		0.363										
C4545	49	51.5	B1D7C9	R	6/14/2005	0.055	pCi/g			0.038										
C4545	49	51.5	B1D7C9	R	6/14/2005	0.18	pCi/g	U		0.18										
C4545	49	51.5	B1D7D0	R	6/14/2005	0.19	pCi/g	U		0.19										
C4545	49	51.5	B1D7D0	R	6/14/2005	0.023	pCi/g	U		0.043	0.81	pCi/g	U		2.3	4.2	pCi/g			1.9
C4545	104	106.5	B1D992		6/23/2005	0.18	pCi/g	U		0.18										
C4545	104	106.5	B1D992		6/23/2005	0.045	pCi/g			0.041										
C4545	178	180.5	B1D993		6/27/2005	0.17	pCi/g	U		0.17										
C4545	178	180.5	B1D993		6/27/2005	0.036	pCi/g	U		0.038										
C4545	234	236.5	B1D994		6/29/2005	0.039	pCi/g	U		0.053										
C4545	234	236.5	B1D994		6/29/2005	0.34	pCi/g	U		0.34										
C4545	262	264.5	B1D995		6/30/2005	0.11	pCi/g	U		0.11										
C4545	262	264.5	B1D995		6/30/2005	-0.008	pCi/g	U		0.029										
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005	-6.23	pCi/L	U		22										
			B1D7F2	EB	6/7/2005	24	pCi/L	U		24										
					TQL (pCi/g)	0.1					N/R					N/R				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Iodine-129 (15046-84-1)					Neptunium-237 (13994-20-2)					Plutonium-238 (13981-16-3)				
						Sep/LEPS					LX/Plate/AEA					IX/Prec/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	-2.39	pCi/g	U		52	3.53	pCi/g			3.5					
C4545	22.5	25	B1D9Y5		6/8/2005	0.209	pCi/g	U		1.7	0.015	pCi/g			0.011					
C4545	27.5	30	B1D7C7	S	6/13/2005											0.002	pCi/g	U		0.027
C4545	27.5	30	B1D7C7	S	6/13/2005	-0.316	pCi/g	U		3.1										
C4545	27.5	30	B1D7C8	S	6/13/2005															
C4545	27.5	30	B1D7C8	S	6/13/2005	1.13	pCi/g	U		3.66	0.27	pCi/g	U		1.62					
C4545	49	51.5	B1D7C9	R	6/14/2005											0.021	pCi/g	U		0.057
C4545	49	51.5	B1D7C9	R	6/14/2005	0.089	pCi/g	U		1.5										
C4545	49	51.5	B1D7D0	R	6/14/2005	-0.045	pCi/g	U		1.2	0	pCi/g	U		0.054					
C4545	49	51.5	B1D7D0	R	6/14/2005											0.005	pCi/g	U		0.034
C4545	104	106.5	B1D992		6/23/2005	-0.211	pCi/g	U		0.97										
C4545	104	106.5	B1D992		6/23/2005											0.046	pCi/g	U		0.056
C4545	178	180.5	B1D993		6/27/2005	-0.967	pCi/g	U		2.2										
C4545	178	180.5	B1D993		6/27/2005											0.002	pCi/g	U		0.053
C4545	234	236.5	B1D994		6/29/2005											-0.002	pCi/g	U		0.051
C4545	234	236.5	B1D994		6/29/2005	-0.146	pCi/g	U		1.2										
C4545	262	264.5	B1D995		6/30/2005	-0.732	pCi/g	U		1.5										
C4545	262	264.5	B1D995		6/30/2005											0.041	pCi/g	U		0.058
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005											0.067	pCi/L	U		0.18
			B1D7F2	EB	6/7/2005	-0.204	pCi/L	U		3.9										
					TQL (pCi/g)	2					N/R					1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Plutonium-238 (13981-16-3)					Plutonium-239/240 (PU-239/240)					Plutonium-239/240 (PU-239/240)				
						Sep/Plate/AEA					IX/Prec/AEA					Sep/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	0	pCi/g	U		17						55.7	pCi/g			17
C4545	22.5	25	B1D9Y5		6/8/2005	0.023	pCi/g	U		0.18						0.023	pCi/g	U		0.18
C4545	27.5	30	B1D7C7	S	6/13/2005						0.021	pCi/g			0.012					
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C8	S	6/13/2005	0	pCi/g	U		0.11						0.043	pCi/g	U		0.11
C4545	27.5	30	B1D7C8	S	6/13/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005						0.019	pCi/g			0.006					
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7D0	R	6/14/2005															
C4545	49	51.5	B1D7D0	R	6/14/2005						0.01	pCi/g	U		0.013					
C4545	104	106.5	B1D992		6/23/2005															
C4545	104	106.5	B1D992		6/23/2005						0.013	pCi/g	U		0.014					
C4545	178	180.5	B1D993		6/27/2005															
C4545	178	180.5	B1D993		6/27/2005						-0.002	pCi/g	U		0.028					
C4545	234	236.5	B1D994		6/29/2005						0.007	pCi/g	U		0.016					
C4545	234	236.5	B1D994		6/29/2005															
C4545	262	264.5	B1D995		6/30/2005															
C4545	262	264.5	B1D995		6/30/2005						0.011	pCi/g			0.005					
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005						0.022	pCi/L	U		0.041					
			B1D7F2	EB	6/7/2005															
					TQL (pCi/g)	1					1					1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Potassium-40 (13966-00-2)					Radium-226 (13982-63-3)					Radium-228 (15262-20-1)				
						GEA					GEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	6200	pCi/g	U		6200	760	pCi/g	U		760	870	pCi/g	U		870
C4545	22.5	25	B1D9Y5		6/8/2005	9.86	pCi/g			1.7	0.3	pCi/g			0.29	1.1	pCi/g			0.74
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C7	S	6/13/2005	1.7	pCi/g	U		1.7	1.4	pCi/g	U		1.4	0.44	pCi/g	U		0.44
C4545	27.5	30	B1D7C8	S	6/13/2005	8.32	pCi/g			0.4	0.74	pCi/g	U		0.74	0.479	pCi/g			0.36
C4545	27.5	30	B1D7C8	S	6/13/2005						0.31	pCi/g	U		0.278	0.387	pCi/g	U		0.167
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005	7.9	pCi/g			0.69	0.224	pCi/g			0.12	0.46	pCi/g	U		0.46
C4545	49	51.5	B1D7D0	R	6/14/2005	13.9	pCi/g			1	0.411	pCi/g			0.17	0.809	pCi/g			0.41
C4545	49	51.5	B1D7D0	R	6/14/2005															
C4545	104	106.5	B1D992		6/23/2005	15	pCi/g			1	0.553	pCi/g			0.14	0.688	pCi/g			0.38
C4545	104	106.5	B1D992		6/23/2005															
C4545	178	180.5	B1D993		6/27/2005	10.7	pCi/g			0.63	0.272	pCi/g			0.11	0.529	pCi/g			0.23
C4545	178	180.5	B1D993		6/27/2005															
C4545	234	236.5	B1D994		6/29/2005															
C4545	234	236.5	B1D994		6/29/2005	17.4	pCi/g			2.1	0.617	pCi/g			0.36	0.72	pCi/g			0.64
C4545	262	264.5	B1D995		6/30/2005	13.5	pCi/g			0.63	0.476	pCi/g			0.1	0.805	pCi/g			0.24
C4545	262	264.5	B1D995		6/30/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F2	EB	6/7/2005	150	pCi/L	U		150	26	pCi/L	U		26	60	pCi/L	U		60
					TQL (pCi/g)	N/R					N/R					N/R				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Technetium-99 (14133-76-7)					Technetium-99 (14133-76-7)					Thorium-228 (14274-82-9)				
						Sep/GPC					TEVA/LSC					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	79.6	pCi/g			10						650	pCi/g	U		650
C4545	22.5	25	B1D9Y5		6/8/2005	0.992	pCi/g			0.53						0.699	pCi/g			0.2
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C7	S	6/13/2005	1.08	pCi/g			0.47						1.5	pCi/g	U		1.5
C4545	27.5	30	B1D7C8	S	6/13/2005											0.746	pCi/g	U		0.78
C4545	27.5	30	B1D7C8	S	6/13/2005						1.3	pCi/g	U		4.73					
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005	0.156	pCi/g	U		0.53						0.556	pCi/g			0.11
C4545	49	51.5	B1D7D0	R	6/14/2005	0.093	pCi/g	U		0.47						0.707	pCi/g			0.14
C4545	49	51.5	B1D7D0	R	6/14/2005															
C4545	104	106.5	B1D992		6/23/2005	0.105	pCi/g	U		0.48						0.884	pCi/g			0.14
C4545	104	106.5	B1D992		6/23/2005															
C4545	178	180.5	B1D993		6/27/2005	-0.006	pCi/g	U		0.54						0.686	pCi/g			0.1
C4545	178	180.5	B1D993		6/27/2005															
C4545	234	236.5	B1D994		6/29/2005															
C4545	234	236.5	B1D994		6/29/2005	0.098	pCi/g	U		0.49						0.776	pCi/g			0.24
C4545	262	264.5	B1D995		6/30/2005	0.039	pCi/g	U		0.49						0.801	pCi/g			0.09
C4545	262	264.5	B1D995		6/30/2005															
			B1D7F1	EB	6/7/2005	2.13	pCi/L	U		5.4										
			B1D7F1	EB	6/7/2005															
			B1D7F2	EB	6/7/2005											17	pCi/L	U		17
					TQL (pCi/g)	15					15					N/R				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Thorium-228 (14274-82-9) IX/Plate/AEA					Thorium-228 (14274-82-9) IX/Prec/AEA					Thorium-230 (14269-63-7) IX/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	0	pCi/g	U		13						-5	pCi/g	U		13
C4545	22.5	25	B1D9Y5		6/8/2005	0.298	pCi/g			0.28						0.26	pCi/g	U		0.28
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C8	S	6/13/2005															
C4545	27.5	30	B1D7C8	S	6/13/2005						0.361	pCi/g	U		2.16					
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7D0	R	6/14/2005	0.551	pCi/g			0.26						0.378	pCi/g			0.26
C4545	49	51.5	B1D7D0	R	6/14/2005															
C4545	104	106.5	B1D992		6/23/2005															
C4545	104	106.5	B1D992		6/23/2005															
C4545	178	180.5	B1D993		6/27/2005															
C4545	178	180.5	B1D993		6/27/2005															
C4545	234	236.5	B1D994		6/29/2005															
C4545	234	236.5	B1D994		6/29/2005															
C4545	262	264.5	B1D995		6/30/2005															
C4545	262	264.5	B1D995		6/30/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F2	EB	6/7/2005															
					TQL (pCi/g)	N/R					N/R					N/R				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Thorium-230 (14269-63-7)					Thorium-232 (TH-232)					Thorium-232 (TH-232)				
						IX/Prec/AEA					GEA					IX/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005						870	pCi/g	U		870	-1.67	pCi/g	U		13
C4545	22.5	25	B1D9Y5		6/8/2005						1.1	pCi/g			0.74	0.706	pCi/g			0.28
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C7	S	6/13/2005						0.44	pCi/g	U		0.44					
C4545	27.5	30	B1D7C8	S	6/13/2005						0.479	pCi/g			0.36					
C4545	27.5	30	B1D7C8	S	6/13/2005	0.417	pCi/g	U		1.13										
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7C9	R	6/14/2005						0.46	pCi/g	U		0.46					
C4545	49	51.5	B1D7D0	R	6/14/2005						0.809	pCi/g			0.41	0.447	pCi/g			0.26
C4545	49	51.5	B1D7D0	R	6/14/2005															
C4545	104	106.5	B1D992		6/23/2005						0.688	pCi/g			0.38					
C4545	104	106.5	B1D992		6/23/2005															
C4545	178	180.5	B1D993		6/27/2005						0.529	pCi/g			0.23					
C4545	178	180.5	B1D993		6/27/2005															
C4545	234	236.5	B1D994		6/29/2005															
C4545	234	236.5	B1D994		6/29/2005						0.72	pCi/g			0.64					
C4545	262	264.5	B1D995		6/30/2005						0.805	pCi/g			0.24					
C4545	262	264.5	B1D995		6/30/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005															
			B1D7F2	EB	6/7/2005						60	pCi/L	U		60					
					TQL (pCi/g)	N/R					N/R					N/R				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Thorium-232 (TH-232)					Total beta radiostrontium (SR-RAD)					Tritium (10028-17-8)				
						IX/Prec/AEA					Sep/GPC					906				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005						4380	pCi/g			70					
C4545	22.5	25	B1D9Y5		6/8/2005						0.173	pCi/g	U		0.24					
C4545	27.5	30	B1D7C7	S	6/13/2005						32	pCi/g			5.7					
C4545	27.5	30	B1D7C7	S	6/13/2005															
C4545	27.5	30	B1D7C8	S	6/13/2005						46	pCi/g			0.36					
C4545	27.5	30	B1D7C8	S	6/13/2005	1.17	pCi/g	U		2						3.97	pCi/g			0.051
C4545	49	51.5	B1D7C9	R	6/14/2005						0.28	pCi/g			0.24					
C4545	49	51.5	B1D7C9	R	6/14/2005															
C4545	49	51.5	B1D7D0	R	6/14/2005															
C4545	49	51.5	B1D7D0	R	6/14/2005						-0.26	pCi/g	U		0.22					
C4545	104	106.5	B1D992		6/23/2005															
C4545	104	106.5	B1D992		6/23/2005						0.25	pCi/g	U		0.3					
C4545	178	180.5	B1D993		6/27/2005															
C4545	178	180.5	B1D993		6/27/2005						-0.18	pCi/g	U		0.23					
C4545	234	236.5	B1D994		6/29/2005						-0.39	pCi/g	U		0.25					
C4545	234	236.5	B1D994		6/29/2005															
C4545	262	264.5	B1D995		6/30/2005															
C4545	262	264.5	B1D995		6/30/2005						0.033	pCi/g	U		0.24					
			B1D7F1	EB	6/7/2005															
			B1D7F1	EB	6/7/2005						-0.84	pCi/L	U		0.74					
			B1D7F2	EB	6/7/2005											15.1	pCi/L	U		170
					TQL (pCi/g)	N/R					1					400				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Tritium (10028-17-8)					Uranium-233/234 (U-233/234)					Uranium-233/234 (U-233/234)					Uranium-235 (15117-96-1)				
						CombOx/LSC					IX/Prec/AEA					Sep/Plate/AEA					GEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	3.78	pCi/g	U		57						2.34	pCi/g	U		18	1400	pCi/g	U		1400
C4545	22.5	25	B1D9Y5		6/8/2005	0.89	pCi/g	U		2.4						0.258	pCi/g			0.18	0.44	pCi/g	U		0.44
C4545	27.5	30	B1D7C7	S	6/13/2005						0.15	pCi/g			0.004										
C4545	27.5	30	B1D7C7	S	6/13/2005	4.19	pCi/g			2.8											2.9	pCi/g	U		2.9
C4545	27.5	30	B1D7C8	S	6/13/2005											0.36	pCi/g			0.11	1.7	pCi/g	U		1.7
C4545	27.5	30	B1D7C8	S	6/13/2005																				
C4545	49	51.5	B1D7C9	R	6/14/2005						0.18	pCi/g			0.005										
C4545	49	51.5	B1D7C9	R	6/14/2005	4.54	pCi/g			2.3											0.27	pCi/g	U		0.27
C4545	49	51.5	B1D7D0	R	6/14/2005	3.24	pCi/g			2.5											0.27	pCi/g	U		0.27
C4545	49	51.5	B1D7D0	R	6/14/2005						0.1	pCi/g			0.016										
C4545	104	106.5	B1D992		6/23/2005	2.48	pCi/g	U		2.5											0.26	pCi/g	U		0.26
C4545	104	106.5	B1D992		6/23/2005						0.16	pCi/g			0.014										
C4545	178	180.5	B1D993		6/27/2005	4.68	pCi/g			3.4											0.23	pCi/g	U		0.23
C4545	178	180.5	B1D993		6/27/2005						0.16	pCi/g			0.013										
C4545	234	236.5	B1D994		6/29/2005						0.14	pCi/g			0.005										
C4545	234	236.5	B1D994		6/29/2005	8.5	pCi/g			2.5											0.5	pCi/g	U		0.5
C4545	262	264.5	B1D995		6/30/2005	1.09	pCi/g	U		2.8											0.17	pCi/g	U		0.17
C4545	262	264.5	B1D995		6/30/2005						0.069	pCi/g			0.013										
			B1D7F1	EB	6/7/2005																				
			B1D7F1	EB	6/7/2005						0.1	pCi/L			0.034										
			B1D7F2	EB	6/7/2005																43	pCi/L	U		43
					TQL (pCi/g)	400					1					1					1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Uranium-235 (15117-96-1) IX/Prec/AEA					Uranium-235 (15117-96-1) Sep/Plate/AEA					Uranium-238 (U-238) GEA				
							Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005	EBRLNE						0	pCi/g	U		22	20000	pCi/g	U		20000
C4545	22.5	25	B1D9Y5		6/8/2005	EBRLNE						0.057	pCi/g	U		0.22	22	pCi/g	U		22
C4545	27.5	30	B1D7C7	S	6/13/2005	EBRLNE											12	pCi/g	U		12
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF	0.007	pCi/g	U		0.017										
C4545	27.5	30	B1D7C8	S	6/13/2005	EBRLNE						0.034	pCi/g	U		0.13	9.6	pCi/g	U		9.6
C4545	49	51.5	B1D7C9	R	6/14/2005	EBRLNE											7.4	pCi/g	U		7.4
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF	0.019	pCi/g			0.006										
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF	-0.002	pCi/g	U		0.014										
C4545	49	51.5	B1D7D0	R	6/14/2005	EBRLNE											12	pCi/g	U		12
C4545	104	106.5	B1D992		6/23/2005	WSCF	0.004	pCi/g	U		0.015										
C4545	104	106.5	B1D992		6/23/2005	EBRLNE											10	pCi/g	U		10
C4545	178	180.5	B1D993		6/27/2005	WSCF	0.016	pCi/g			0.015										
C4545	178	180.5	B1D993		6/27/2005	EBRLNE											7.3	pCi/g	U		7.3
C4545	234	236.5	B1D994		6/29/2005	EBRLNE											25	pCi/g	U		25
C4545	234	236.5	B1D994		6/29/2005	WSCF	0.02	pCi/g			0.015										
C4545	262	264.5	B1D995		6/30/2005	EBRLNE											6.4	pCi/g	U		6.4
C4545	262	264.5	B1D995		6/30/2005	WSCF	0.012	pCi/g			0.005										
			B1D7F1	EB	6/7/2005	WSCF	0.02	pCi/L	U		0.037										
			B1D7F2	EB	6/7/2005	EBRLNE											1900	pCi/L	U		1900
					TQL (pCi/g)		1					1					1				

Table B-17. Radiochemical Analysis Results for Borehole C4545 (216-A-8 Crib) (15 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Uranium-238 (U-238) IX/Prec/AEA					Uranium-238 (U-238) Sep/Plate/AEA				
						Conc'n	Units	Q	VQ	MDA	Conc'n	Units	Q	VQ	MDA
C4545	19	21.5	B1D9Y4		6/8/2005						0	pCi/g	U		18
C4545	22.5	25	B1D9Y5		6/8/2005						0.469	pCi/g			0.18
C4545	27.5	30	B1D7C7	S	6/13/2005										
C4545	27.5	30	B1D7C7	S	6/13/2005	0.18	pCi/g		J	0.012					
C4545	27.5	30	B1D7C8	S	6/13/2005						0.388	pCi/g			0.11
C4545	49	51.5	B1D7C9	R	6/14/2005										
C4545	49	51.5	B1D7C9	R	6/14/2005	0.16	pCi/g			0.014					
C4545	49	51.5	B1D7D0	R	6/14/2005	0.11	pCi/g		J	0.005					
C4545	49	51.5	B1D7D0	R	6/14/2005										
C4545	104	106.5	B1D992		6/23/2005	0.15	pCi/g			0.014					
C4545	104	106.5	B1D992		6/23/2005										
C4545	178	180.5	B1D993		6/27/2005	0.14	pCi/g			0.013					
C4545	178	180.5	B1D993		6/27/2005										
C4545	234	236.5	B1D994		6/29/2005										
C4545	234	236.5	B1D994		6/29/2005	0.14	pCi/g			0.02					
C4545	262	264.5	B1D995		6/30/2005										
C4545	262	264.5	B1D995		6/30/2005	0.098	pCi/g			0.017					
			B1D7F1	EB	6/7/2005	0.028	pCi/L	U		0.034					
			B1D7F2	EB	6/7/2005										
					TQL (pCi/g)	1					1				

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,2,4-Trichlorobenzene (120-82-1)				1,2-Dichlorobenzene (95-50-1)				1,3-Dichlorobenzene (541-73-1)				1,4-Dichlorobenzene (106-46-7)			
							8270				8270				8270				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL	35	µg/kg	U		39	µg/kg	U		33	µg/kg	U		36	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL	35	µg/kg	U		39	µg/kg	U		33	µg/kg	U		36	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF	160	µg/kg	U	UJ	160	µg/kg	U	UJ	120	µg/kg	U	UJ	190	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL	37	µg/kg	U		41	µg/kg	U		35	µg/kg	U		38	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF	150	µg/kg	U	UJ	160	µg/kg	U		120	µg/kg	U		180	µg/kg	U	UJ
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF	150	µg/kg	U	UJ	160	µg/kg	U		120	µg/kg	U		180	µg/kg	U	UJ
C4545	104	106.5	B1D992		6/23/2005	WSCF	150	µg/kg	U		160	µg/kg	U		120	µg/kg	U		180	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	WSCF	93	µg/kg	U		130	µg/kg	U		160	µg/kg	U		140	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	WSCF	94	µg/kg	U		130	µg/kg	U		160	µg/kg	U		140	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	WSCF	98	µg/kg	U		130	µg/kg	U		170	µg/kg	U		140	µg/kg	U	
			B1D7F1	EB	6/7/2005	WSCF	1.7	µg/L	U		1.4	µg/L	U		1.2	µg/L	U		1.3	µg/L	U	
					TQL (µg/kg)		N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2,4,5-Trichlorophenol (95-95-4)				2,4,6-Trichlorophenol (88-06-2)				2,4-Dichlorophenol (120-83-2)				2,4-Dimethylphenol (105-67-9)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	30	µg/kg	U		8.9	µg/kg	U		21	µg/kg	U		160	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	30	µg/kg	U		8.9	µg/kg	U		21	µg/kg	U		160	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	250	µg/kg	U	UJ	150	µg/kg	U	UJ	160	µg/kg	U	UJ	370	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	32	µg/kg	U		9.3	µg/kg	U		22	µg/kg	U		170	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	240	µg/kg	U		140	µg/kg	U		150	µg/kg	U		360	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	240	µg/kg	U		140	µg/kg	U		150	µg/kg	U		360	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	230	µg/kg	U		140	µg/kg	U		150	µg/kg	U		360	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	46	µg/kg	U		43	µg/kg	U		45	µg/kg	U		91	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	46	µg/kg	U		43	µg/kg	U		46	µg/kg	U		91	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	48	µg/kg	U		45	µg/kg	U		48	µg/kg	U		96	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.77	µg/L	U		0.48	µg/L	U		0.51	µg/L	U		1.6	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2,4-Dinitrophenol (51-28-5)				2,4-Dinitrotoluene (121-14-2)				2,6-Dichlorophenol (87-65-0)				2,6-Dinitrotoluene (606-20-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	99	µg/kg	U		36	µg/kg	U						19	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	99	µg/kg	U		36	µg/kg	U		20	µg/kg	U		19	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	340	µg/kg	U	UJ	130	µg/kg	U	UJ					190	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	100	µg/kg	U		38	µg/kg	U						20	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	320	µg/kg	U		130	µg/kg	U						180	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	320	µg/kg	U		130	µg/kg	U						180	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	320	µg/kg	U		130	µg/kg	U						180	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	180	µg/kg	U		55	µg/kg	U						70	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	180	µg/kg	U		55	µg/kg	U						70	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	190	µg/kg	U		58	µg/kg	U						73	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.49	µg/L	U		0.37	µg/L	U						0.33	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Butoxyethanol (111-76-2)				2-Chloronaphthalene (91-58-7)				2-Chlorophenol (95-57-8)				2-Ethyl-1-hexanol (104-76-7)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005					34	µg/kg	U		18	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005					34	µg/kg	U		18	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005	220	µg/kg	U	UJ	200	µg/kg	U	UJ	220	µg/kg	U	UJ	760	µg/kg	J	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005					36	µg/kg	U		19	µg/kg	U					
C4545	49	51.5	B1D7C9	R	6/14/2005	210	µg/kg	U		190	µg/kg	U		210	µg/kg	U	UJ				
C4545	49	51.5	B1D7D0	R	6/14/2005	210	µg/kg	U		190	µg/kg	U		210	µg/kg	U	UJ				
C4545	104	106.5	B1D992		6/23/2005	210	µg/kg	U		190	µg/kg	U		210	µg/kg	U					
C4545	178	180.5	B1D993		6/27/2005	84	µg/kg	U		66	µg/kg	U		77	µg/kg	U					
C4545	234	236.5	B1D994		6/29/2005	85	µg/kg	U		67	µg/kg	U		78	µg/kg	U					
C4545	262	264.5	B1D995		6/30/2005	88	µg/kg	U		70	µg/kg	U		81	µg/kg	U					
			B1D7F1	EB	6/7/2005	0.64	µg/L	U		3.8	µg/L	U		2.1	µg/L	U					
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Methylnaphthalene (91-57-6)				2-Methylphenol (cresol, o-) (95-48-7)				2-Naphthylamine (91-59-8)				2-Nitroaniline (88-74-4)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	37	µg/kg	U		34	µg/kg	U		44	µg/kg	U		8.7	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	37	µg/kg	U		34	µg/kg	U		44	µg/kg	U		8.7	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	170	µg/kg	U	UJ	220	µg/kg	U	UJ	180	µg/kg	U	UJ	170	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	39	µg/kg	U		35	µg/kg	U		47	µg/kg	U		9.2	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	160	µg/kg	U		210	µg/kg	U		180	µg/kg	U		160	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	160	µg/kg	U		210	µg/kg	U		180	µg/kg	U		160	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	160	µg/kg	U		210	µg/kg	U		180	µg/kg	U		160	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	76	µg/kg	U		83	µg/kg	U		170	µg/kg	U		52	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	76	µg/kg	U		83	µg/kg	U		170	µg/kg	U		53	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	80	µg/kg	U		87	µg/kg	U		180	µg/kg	U		55	µg/kg	U	
			B1D7F1	EB	6/7/2005	3.3	µg/L	U		0.24	µg/L	U		0.62	µg/L	U		0.4	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Nitrophenol (88-75-5)				3,3"-Dichloro benzidine (91-94-1)				3+4 Methylphenol (cresol, m+p) (65794-96-9)				3-Nitroaniline (99-09-2)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	38	µg/kg	U		120	µg/kg	U		68	µg/kg	U		99	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	38	µg/kg	U		120	µg/kg	U		68	µg/kg	U		99	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	230	µg/kg	U	UJ	210	µg/kg	U	UJ	270	µg/kg	U	UJ	140	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	40	µg/kg	U		130	µg/kg	U		72	µg/kg	U		100	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	220	µg/kg	U		200	µg/kg	U		260	µg/kg	U		130	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	220	µg/kg	U		200	µg/kg	U		260	µg/kg	U		130	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	220	µg/kg	U		200	µg/kg	U		260	µg/kg	U		130	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	92	µg/kg	U		200	µg/kg	U		110	µg/kg	U		59	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	93	µg/kg	U		200	µg/kg	U		110	µg/kg	U		59	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	97	µg/kg	U		210	µg/kg	U		110	µg/kg	U		62	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.55	µg/L	U		0.98	µg/L	U		0.62	µg/L	U		0.43	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4,6-Dinitro-2-methylphenol (534-52-1)				4-Bromophenyl phenyl ether (101-55-3)				4-Chloro-3-methylphenol (59-50-7)				4-Chloroaniline (106-47-8)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	62	µg/kg	U		36	µg/kg	U		19	µg/kg	U		130	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	62	µg/kg	U		36	µg/kg	U		19	µg/kg	U		130	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	320	µg/kg	U	UJ	210	µg/kg	U	UJ	200	µg/kg	U	UJ	200	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	65	µg/kg	U		38	µg/kg	U		20	µg/kg	U		140	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	310	µg/kg	U		200	µg/kg	U		190	µg/kg	U	UJ	190	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	310	µg/kg	U		200	µg/kg	U		190	µg/kg	U	UJ	190	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	310	µg/kg	U		200	µg/kg	U		190	µg/kg	U		190	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	130	µg/kg	U		52	µg/kg	U		47	µg/kg	U		150	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	130	µg/kg	U		53	µg/kg	U		48	µg/kg	U		150	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	140	µg/kg	U		55	µg/kg	U		50	µg/kg	U		160	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.52	µg/L	U		1.8	µg/L	U		0.45	µg/L	U		0.55	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	4-Chlorophenyl phenyl ether (7005-72-3)				4-Nitroaniline (100-01-6)				4-Nitrophenol (100-02-7)				Acenaphthene (83-32-9)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	7.3	µg/kg	U		67	µg/kg	U		35	µg/kg	U		36	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	7.3	µg/kg	U		67	µg/kg	U		35	µg/kg	U		36	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	160	µg/kg	U	UJ	250	µg/kg	U	UJ	370	µg/kg	U	UJ	200	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	7.6	µg/kg	U		70	µg/kg	U		36	µg/kg	U		38	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	150	µg/kg	U		240	µg/kg	U		360	µg/kg	U		190	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	150	µg/kg	U		240	µg/kg	U		360	µg/kg	U		190	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	150	µg/kg	U		240	µg/kg	U		360	µg/kg	U		190	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	52	µg/kg	U		89	µg/kg	U		88	µg/kg	U		70	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	53	µg/kg	U		89	µg/kg	U		88	µg/kg	U		70	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	55	µg/kg	U		93	µg/kg	U		92	µg/kg	U		73	µg/kg	U	
			B1D7F1	EB	6/7/2005	2.1	µg/L	U		0.38	µg/L	U		1.1	µg/L	U		2.7	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Acenaphthylene (208-96-8)				Anthracene (120-12-7)				Benzo(a)anthracene (56-55-3)				Benzo(a)pyrene (50-32-8)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	27	µg/kg	U		18	µg/kg	U		36	µg/kg	U		32	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	27	µg/kg	U		18	µg/kg	U		36	µg/kg	U		32	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	150	µg/kg	U	UJ	180	µg/kg	U	UJ	190	µg/kg	U	UJ	140	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	28	µg/kg	U		19	µg/kg	U		38	µg/kg	U		33	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	150	µg/kg	U		180	µg/kg	U		180	µg/kg	U		130	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	150	µg/kg	U		180	µg/kg	U		180	µg/kg	U		130	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	150	µg/kg	U		180	µg/kg	U		180	µg/kg	U		130	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	75	µg/kg	U		78	µg/kg	U		64	µg/kg	U		62	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	75	µg/kg	U		79	µg/kg	U		65	µg/kg	U		62	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	78	µg/kg	U		82	µg/kg	U		68	µg/kg	U		65	µg/kg	U	
			B1D7F1	EB	6/7/2005	2.4	µg/L	U		0.8	µg/L	U		0.4	µg/L	U		0.52	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Benzo(b)fluoranthene (205-99-2)				Benzo(ghi)perylene (191-24-2)				Benzo(k)fluoranthene (207-08-9)				Benzyl alcohol (100-51-6)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	37	µg/kg	U		40	µg/kg	U		64	µg/kg	U		54	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	37	µg/kg	U		40	µg/kg	U		64	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005	170	µg/kg	U	UJ	290	µg/kg	U	UJ	250	µg/kg	U	UJ	260	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	39	µg/kg	U		42	µg/kg	U		67	µg/kg	U		56	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	170	µg/kg	U		280	µg/kg	U		240	µg/kg	U		250	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	170	µg/kg	U		280	µg/kg	U		240	µg/kg	U		250	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	170	µg/kg	U		280	µg/kg	U		230	µg/kg	U		250	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	75	µg/kg	U		78	µg/kg	U		55	µg/kg	U		58	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	76	µg/kg	U		79	µg/kg	U		55	µg/kg	U		58	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	79	µg/kg	U		82	µg/kg	U		58	µg/kg	U		61	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.36	µg/L	U		0.87	µg/L	U		0.37	µg/L	U		0.29	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				0.33			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Bis(2-chloro-1-methylethyl)ether (108-60-1)				Bis(2-chloroethoxy) methane (111-91-1)				Bis(2-chloroethyl) ether (111-44-4)				Bis(2-ethylhexyl) phthalate (117-81-7)			
							8270				8270				8270				8270			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL	38	µg/kg	U		35	µg/kg	U		18	µg/kg	U		35	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL	38	µg/kg	U		35	µg/kg	U		18	µg/kg	U		35	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF	250	µg/kg	U	UJ	170	µg/kg	U	UJ	200	µg/kg	U	UJ	270	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL	40	µg/kg	U		37	µg/kg	U		19	µg/kg	U		36	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF	240	µg/kg	U		160	µg/kg	U		190	µg/kg	U		260	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF	240	µg/kg	U		160	µg/kg	U		190	µg/kg	U		260	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	WSCF	240	µg/kg	U		160	µg/kg	U		190	µg/kg	U		260	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	WSCF	90	µg/kg	U		62	µg/kg	U		100	µg/kg	U		73	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	WSCF	90	µg/kg	U		63	µg/kg	U		100	µg/kg	U		73	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	WSCF	94	µg/kg	U		66	µg/kg	U		110	µg/kg	U		76	µg/kg	U	
			B1D7F1	EB	6/7/2005	WSCF	1.4	µg/L	U		0.3	µg/L	U		0.23	µg/L	U		0.77	µg/L	U	
					TQL (µg/kg)		N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Butylbenzylphthalate (85-68-7)				Carbazole (86-74-8)				Chrysene (218-01-9)				Decane (124-18-5)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	13	µg/kg	U		20	µg/kg	U		40	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005	13	µg/kg	U		20	µg/kg	U		40	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005	220	µg/kg	U	UJ	160	µg/kg	U	UJ	210	µg/kg	U	UJ	340	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	13	µg/kg	U		21	µg/kg	U		42	µg/kg	U					
C4545	49	51.5	B1D7C9	R	6/14/2005	210	µg/kg	U		150	µg/kg	U		200	µg/kg	U		320	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	210	µg/kg	U		150	µg/kg	U		200	µg/kg	U		320	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	210	µg/kg	U		150	µg/kg	U		200	µg/kg	U		500	µg/kg	J	
C4545	178	180.5	B1D993		6/27/2005	75	µg/kg	U		79	µg/kg	U		72	µg/kg	U		180	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	76	µg/kg	U		80	µg/kg	U		72	µg/kg	U		180	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	79	µg/kg	U		83	µg/kg	U		76	µg/kg	U		190	µg/kg	U	
			B1D7F1	EB	6/7/2005	1.4	µg/L	U		0.39	µg/L	U		0.3	µg/L	U		2.1	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Dibenz[a,h] anthracene (53-70-3)				Dibenzofuran (132-64-9)				Diethylphthalate (84-66-2)				Dimethyl phthalate (131-11-3)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	35	µg/kg	U		19	µg/kg	U		36	µg/kg	U		20	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	35	µg/kg	U		19	µg/kg	U		36	µg/kg	U		20	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	250	µg/kg	U	UJ	170	µg/kg	U	UJ	190	µg/kg	U	UJ	140	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	36	µg/kg	U		20	µg/kg	U		37	µg/kg	U		21	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	240	µg/kg	U		170	µg/kg	U		180	µg/kg	U		130	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	240	µg/kg	U		170	µg/kg	U		180	µg/kg	U		130	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	240	µg/kg	U		170	µg/kg	U		180	µg/kg	U		130	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	95	µg/kg	U		62	µg/kg	U		130	µg/kg	U		65	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	96	µg/kg	U		63	µg/kg	U		140	µg/kg	U		66	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	100	µg/kg	U		66	µg/kg	U		140	µg/kg	U		68	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.94	µg/L	U		2.5	µg/L	U		1.1	µg/L	J		0.33	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Di-n-butylphthalate (84-74-2)				Di-n-octylphthalate (117-84-0)				Fluoranthene (206-44-0)				Fluorene (86-73-7)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	28	µg/kg	U		38	µg/kg	U		23	µg/kg	U		6.6	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	28	µg/kg	U		38	µg/kg	U		23	µg/kg	U		6.6	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	730	µg/kg	J	UJ	310	µg/kg	U	UJ	160	µg/kg	U	UJ	160	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	29	µg/kg	U		40	µg/kg	U		24	µg/kg	U		6.9	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	180	µg/kg	J		300	µg/kg	U		150	µg/kg	U		150	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	160	µg/kg	U		300	µg/kg	U		150	µg/kg	U		150	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	160	µg/kg	U		300	µg/kg	U		150	µg/kg	U		150	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	690	µg/kg			86	µg/kg	U		81	µg/kg	U		69	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	340	µg/kg			87	µg/kg	U		82	µg/kg	U		70	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	270	µg/kg			91	µg/kg	U		86	µg/kg	U		73	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.43	µg/L	U		1.4	µg/L	U		0.51	µg/L	U		2.2	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Hexachlorobenzene (118-74-1)				Hexachlorobutadiene (87-68-3)				Hexachloro cyclopentadiene (77-47-4)				Hexachloroethane (67-72-1)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	17	µg/kg	U		38	µg/kg	U		37	µg/kg	U		37	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	17	µg/kg	U		38	µg/kg	U		37	µg/kg	U		37	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	160	µg/kg	U	UJ	190	µg/kg	U	UJ	240	µg/kg	U	UJ	140	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	17	µg/kg	U		40	µg/kg	U		39	µg/kg	U		39	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	150	µg/kg	U		180	µg/kg	U		230	µg/kg	U		130	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	150	µg/kg	U		180	µg/kg	U		230	µg/kg	U		130	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	150	µg/kg	U		180	µg/kg	U		230	µg/kg	U		130	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	70	µg/kg	U		85	µg/kg	U		160	µg/kg	U		120	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	70	µg/kg	U		85	µg/kg	U		170	µg/kg	U		120	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	73	µg/kg	U		89	µg/kg	U		170	µg/kg	U		130	µg/kg	U	
			B1D7F1	EB	6/7/2005	1.1	µg/L	U		1.2	µg/L	U		0.6	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Indeno(1,2,3-cd) pyrene (193-39-5)				Isophorone (78-59-1)				Naphthalene (91-20-3)				Nitrobenzene (98-95-3)			
						8270				8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	17	µg/kg	U		38	µg/kg	U		35	µg/kg	U		18	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	17	µg/kg	U		38	µg/kg	U		35	µg/kg	U		18	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	190	µg/kg	U	UJ	190	µg/kg	U	UJ	170	µg/kg	U	UJ	170	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	18	µg/kg	U		40	µg/kg	U		36	µg/kg	U		19	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	180	µg/kg	U		180	µg/kg	U		160	µg/kg	U		170	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	180	µg/kg	U		180	µg/kg	U		160	µg/kg	U		170	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	180	µg/kg	U		180	µg/kg	U		160	µg/kg	U		170	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	83	µg/kg	U		85	µg/kg	U		83	µg/kg	U		85	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	84	µg/kg	U		85	µg/kg	U		84	µg/kg	U		85	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	88	µg/kg	U		89	µg/kg	U		88	µg/kg	U		89	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.82	µg/L	U		0.42	µg/L	U		1.4	µg/L	U		0.92	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	n-Nitrosodi-n-dipropylamine (621-64-7)				n-Nitroso diphenylamine (86-30-6)				Nonadecane (629-92-5)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	39	µg/kg	U		21	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005	39	µg/kg	U		21	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005	260	µg/kg	U	UJ	170	µg/kg	U	UJ				
C4545	27.5	30	B1D7C8	S	6/13/2005	41	µg/kg	U		22	µg/kg	U					
C4545	49	51.5	B1D7C9	R	6/14/2005	250	µg/kg	U		160	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005	250	µg/kg	U		160	µg/kg	U					
C4545	104	106.5	B1D992		6/23/2005	250	µg/kg	U		160	µg/kg	U		1600	µg/kg	J	
C4545	178	180.5	B1D993		6/27/2005	76	µg/kg	U		73	µg/kg	U					
C4545	234	236.5	B1D994		6/29/2005	76	µg/kg	U		74	µg/kg	U					
C4545	262	264.5	B1D995		6/30/2005	80	µg/kg	U		77	µg/kg	U					
			B1D7F1	EB	6/7/2005	0.44	µg/L	U		0.52	µg/L	U					
					TQL (µg/kg)	N/R				N/R				N/R			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Pentachlorophenol (87-86-5)				Phenanthrene (85-01-8)				Phenol (108-95-2)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	120	µg/kg	U		6.7	µg/kg	U		24	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	120	µg/kg	U		6.7	µg/kg	U		24	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	290	µg/kg	U	UJ	180	µg/kg	U	UJ	240	µg/kg	U	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	120	µg/kg	U		7	µg/kg	U		25	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	280	µg/kg	U		180	µg/kg	U		230	µg/kg	U	UJ
C4545	49	51.5	B1D7D0	R	6/14/2005	280	µg/kg	U		180	µg/kg	U		230	µg/kg	U	UJ
C4545	104	106.5	B1D992		6/23/2005	280	µg/kg	U		180	µg/kg	U		230	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	74	µg/kg	U		72	µg/kg	U		70	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	74	µg/kg	U		72	µg/kg	U		70	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	78	µg/kg	U		76	µg/kg	U		73	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.63	µg/L	U		1.2	µg/L	U		0.56	µg/L	U	
					TQL (µg/kg)	N/R				N/R				0.33			

Table B-18. Semivolatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (19 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Pyrene (129-00-0)				Pyridine (110-86-1)				Tributyl phosphate (126-73-8)			
						8270				8270				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	35	µg/kg	U		48	µg/kg	U		330	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	35	µg/kg	U		48	µg/kg	U		330	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	210	µg/kg	U	UJ	140	µg/kg	U	UJ	590	µg/kg	J	UJ
C4545	27.5	30	B1D7C8	S	6/13/2005	37	µg/kg	U		50	µg/kg	U		350	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	200	µg/kg	U		140	µg/kg	U		170	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	200	µg/kg	U		140	µg/kg	U		170	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	200	µg/kg	U		140	µg/kg	U		170	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	79	µg/kg	U		96	µg/kg	U		72	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	80	µg/kg	U		97	µg/kg	U		72	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	83	µg/kg	U		100	µg/kg	U		76	µg/kg	U	
			B1D7F1	EB	6/7/2005	0.32	µg/L	U		0.41	µg/L	U		0.13	µg/L	U	
					TQL (µg/kg)	N/R				N/R				3300			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	1,1,1-Trichloroethane (71-55-6)				1,1,2,2-Tetrachloroethane (79-34-5)				1,1,2-Trichloroethane (79-00-5)				1,1-Dichloroethane (75-34-3)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL	2.8	µg/kg	U		0.6	µg/kg	U		3.8	µg/kg	U		2.7	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL	0.55	µg/kg	U		0.12	µg/kg	U		0.75	µg/kg	U		0.54	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	STLSL	0.55	µg/kg	U		0.12	µg/kg	U		0.75	µg/kg	U		0.54	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	WSCF	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF																
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	WSCF	1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	WSCF	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	WSCF	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	WSCF	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)		N/R				NR				N/R				10			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,1-Dichloroethene (75-35-4)				1,2,4-Trimethyl benzene (95-63-6)				1,2,4-Trimethyl benzene (95-63-6)				1,2-Dichloroethane (107-06-2)			
						8260				8260				8270				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	3.4	µg/kg	U		2.8	µg/kg	U						2.1	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	0.67	µg/kg	U		0.57	µg/kg	U						0.42	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	0.67	µg/kg	U		0.57	µg/kg	U						0.42	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U										2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005									120	µg/kg	U	UJ				
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U						120	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U						120	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U						120	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U						150	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U						150	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U						160	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U						2.1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U										1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U										1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U										1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U										1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U										1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U										1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U										1	µg/L	U	
					TQL (µg/kg)	N/R				N/R				N/R				5			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	1,2-Dichloroethene (total) (540-59-0)				1,2-Dichloropropane (78-87-5)				1-Butanol (71-36-3)				2-Butanone (78-93-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	1.1	µg/kg	U		2.3	µg/kg	U		44	µg/kg	U		3.8	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	0.22	µg/kg	U		0.46	µg/kg	U		8.7	µg/kg	U		0.76	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	0.22	µg/kg	U		0.46	µg/kg	U		8.7	µg/kg	U		0.76	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U		41	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		41	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		41	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U		34	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U		41	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U		41	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U		43	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		32	µg/L		
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		38	µg/L		
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U		20	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	10				N/R				N/R				10			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	2-Hexanone (591-78-6)				2-Pentanone (107-87-9)				2-Pentanone, 4-Methyl (108-10-1)				Acetone (67-64-1)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	3.4	µg/kg	U						3.4	µg/kg	U		19	µg/kg	J	
C4545	22.5	25	B1D9Y5		6/8/2005	0.68	µg/kg	U						0.67	µg/kg	U		3.3	µg/kg	J	
C4545	25	27.5	B1DB24	R	6/9/2005	0.68	µg/kg	U						0.67	µg/kg	U		5	µg/kg	J	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		23	µg/L		
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		24	µg/L		
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	N/R				N/R				10				20			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Acetonitrile (75-05-8)				Benzene (71-43-2)				Bromodichloro methane (75-27-4)				Bromoform (75-25-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	26	µg/kg	U		0.65	µg/kg	U		2	µg/kg	U		3.1	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	5.3	µg/kg	U		0.13	µg/kg	U		0.39	µg/kg	U		0.62	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	12	µg/kg	J		0.13	µg/kg	U		0.39	µg/kg	U		0.62	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	3.4	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	4.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	4.3	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	N/R				5				N/R				N/R			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bromomethane (74-83-9)				Carbon disulfide (75-15-0)				Carbon tetrachloride (56-23-5)				Chlorobenzene (108-90-7)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	3.2	µg/kg	U		0.5	µg/kg	U		2.2	µg/kg	U		2.7	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	0.64	µg/kg	U		0.1	µg/kg	U		0.45	µg/kg	U		0.54	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	0.64	µg/kg	U		0.1	µg/kg	U		0.45	µg/kg	U		0.54	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	N/R				N/R				5				5			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Chloroethane (75-00-3)				Chloroform (67-66-3)				Chloromethane (74-87-3)				cis-1,2-Dichloro ethylene (156-59-2)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	2.6	µg/kg	U		2.6	µg/kg	U		4.6	µg/kg	U		2.4	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	0.52	µg/kg	U		0.52	µg/kg	U		0.93	µg/kg	U		0.48	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	0.52	µg/kg	U		0.52	µg/kg	U		0.93	µg/kg	U		0.48	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U					
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U					
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	N/R				5				N/R				10			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	cis-1,3-Dichloro propene (10061-01-5)				Cyclohexane (110-82-7)				Cyclohexanone (108-94-1)				Cyclohexanone (108-94-1)			
						8260				8260				8260				8270			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	1.4	µg/kg	U		1.5	µg/kg	U		14	µg/kg	U					
C4545	22.5	25	B1D9Y5		6/8/2005	0.27	µg/kg	U		0.3	µg/kg	U		2.7	µg/kg	U					
C4545	25	27.5	B1DB24	R	6/9/2005	0.27	µg/kg	U		0.3	µg/kg	U		2.7	µg/kg	U					
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U									
C4545	27.5	30	B1D7C7	S	6/13/2005													200	µg/kg	U	UJ
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U						190	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U						190	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U						190	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U						89	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U						89	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U						93	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U						0.34	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U									
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U									
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U									
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U									
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U									
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U									
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U									
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Dibromochloro methane (124-48-1)				Ethyl acetate (141-78-6)				Ethylbenzene (100-41-4)				Hexane (110-54-3)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	1.3	µg/kg	U						2.2	µg/kg	U		4.2	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	0.26	µg/kg	U		13	µg/kg			0.44	µg/kg	U		0.84	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	0.26	µg/kg	U		23	µg/kg			0.44	µg/kg	U		0.84	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U						2	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U						2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U						2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U						1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U						2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U						2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U						1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	N/R				N/R				5				N/R			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Methylene chloride (75-09-2)				n-Butylbenzene (104-51-8)				Styrene (100-42-5)				Tetrachloroethene (127-18-4)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	13	µg/kg	U		3	µg/kg	U		2.4	µg/kg	U		2.8	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	2.6	µg/kg	U		0.6	µg/kg	U		0.47	µg/kg	U		0.55	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	2.6	µg/kg	U		0.6	µg/kg	U		0.47	µg/kg	U		0.55	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	5				5				N/R				5			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Tetrahydrofuran (109-99-9)				Toluene (108-88-3)				trans-1,2-Dichloro ethylene (156-60-5)				trans-1,3-Dichloro propene (10061-02-6)			
							8260				8260				8260				8260			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL	6.2	µg/kg	U		1.6	µg/kg	U		3.4	µg/kg	U		2	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL	1.2	µg/kg	U		0.33	µg/kg	U		0.69	µg/kg	U		0.4	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	STLSL	1.2	µg/kg	U		0.33	µg/kg	U		0.69	µg/kg	U		0.4	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	WSCF	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	WSCF	3.4	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	WSCF	4.1	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	WSCF	4.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	WSCF	4.3	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	WSCF	2	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)		N/R				N/R				10				N/R			

Table B-19. Volatile Organic Analysis Results for Borehole C4545 (216-A-8 Crib) (12 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Trichloroethene (79-01-6)				Trichloromono fluoromethane (75-69-4)				Vinyl chloride (75-01-4)				Xylenes (total) (1330-20-7)			
						8260				8260				8260				8260			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	2.2	µg/kg	U		3.2	µg/kg	U		3.6	µg/kg	U		6.3	µg/kg	U	
C4545	22.5	25	B1D9Y5		6/8/2005	0.44	µg/kg	U		0.64	µg/kg	U		0.71	µg/kg	U		1.3	µg/kg	U	
C4545	25	27.5	B1DB24	R	6/9/2005	0.44	µg/kg	U		0.64	µg/kg	U		0.71	µg/kg	U		1.3	µg/kg	U	
C4545	25	27.5	B1DB25	R	6/9/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	104	106.5	B1D992		6/23/2005	1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U		1.7	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	2	µg/kg	U		2	µg/kg	U		2	µg/kg	U		2	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U		2.1	µg/kg	U	
			B1D7F1	EB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D3	TB	6/7/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D4	TB	6/13/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D5	TB	6/14/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D7	TB	6/23/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D8	TB	6/27/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7D9	TB	6/29/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
			B1D7F0	TB	6/30/2005	1	µg/L	U		1	µg/L	U		1	µg/L	U		1	µg/L	U	
					TQL (µg/kg)	5				N/R				N/R				5			

Table B-20. Physical Property Analysis Results for Borehole C4545 (216-A-8 Crib) (5 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Percent passing 3-inch sieve (PAS3IN)				Percent passing 1.5-inch sieve (PAS1.5IN)				Percent passing 3/4-inch sieve (PAS3/4IN)				Percent passing 3/8-inch sieve (PAS3/8IN)			
							D422				D422				D422				D422			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL																
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL																
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF																
C4545	27.5	30	B1D7C7	S	6/13/2005	SHAW	100	%			100	%			100	%			99.8	%		
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL																
C4545	49	51.5	B1D7C9	R	6/14/2005	SHAW	100	%			100	%			100	%			99	%		
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF																
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF																
C4545	104	106.5	B1D992		6/23/2005	WSCF																
C4545	104	106.5	B1D992		6/23/2005	SHAW	100	%			100	%			100	%			100	%		
C4545	178	180.5	B1D993		6/27/2005	WSCF																
C4545	178	180.5	B1D993		6/27/2005	SHAW	100	%			89.8	%			85.9	%			80.8	%		
C4545	234	236.5	B1D994		6/29/2005	WSCF																
C4545	234	236.5	B1D994		6/29/2005	SHAW	100	%			100	%			100	%			100	%		
C4545	262	264.5	B1D995		6/30/2005	WSCF																
C4545	262	264.5	B1D995		6/30/2005	SHAW	100	%			100	%			97.2	%			89.2	%		
			B1D7F1	EB	6/7/2005	WSCF																

Table B-20. Physical Property Analysis Results for Borehole C4545 (216-A-8 Crib) (5 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Percent passing No.4 sieve (PAS#4)				Percent passing No.10 sieve (PAS#10)				Percent passing No.20 sieve (PAS#20)				Percent passing No.40 sieve (PAS#40)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005	99.7	%			99	%			88.6	%			51.5	%		
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	95.8	%			81.9	%			46.7	%			28.5	%		
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005	99.8	%			97.8	%			59.4	%			18.5	%		
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005	70.3	%			59.9	%			44.2	%			33	%		
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	99.8	%			99.3	%			97.1	%			79.2	%		
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005	74.6	%			47.7	%			28.9	%			21.4	%		
			B1D7F1	EB	6/7/2005																

Table B-20. Physical Property Analysis Results for Borehole C4545 (216-A-8 Crib) (5 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Percent passing No.60 sieve (PAS#60)				Percent passing No.100 sieve (PAS#100)				Percent passing No.140 sieve (PAS#140)				Percent passing No.200 sieve (PAS#200)			
						D422				D422				D422				D422			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005	31.6	%			22.5	%			18.4	%			15.4	%		
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	19.7	%			14	%			11.4	%			9.3	%		
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005	10.2	%			6.6	%			5.2	%			4.1	%		
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005	27.5	%			22.9	%			20.3	%			17.9	%		
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	53.5	%			36.1	%			29.2	%			23.7	%		
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005	17	%			13.1	%			11.2	%			9.7	%		
			B1D7F1	EB	6/7/2005																

Table B-20. Physical Property Analysis Results for Borehole C4545 (216-A-8 Crib) (5 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Bulk density - dry (BULKDENSITY-DRY)				Bulk density - wet (BULKDENSITY-WET)				Percent moisture (dry sample) (%MOISTURE-D)				Percent moisture (wet sample) (%MOISTURE)			
						D2937				D2937				D2216				D2216			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005																
C4545	22.5	25	B1D9Y5		6/8/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005																
C4545	27.5	30	B1D7C7	S	6/13/2005	1821	kg/m3			1930	kg/m3			6.1	%			5.8	%		
C4545	27.5	30	B1D7C8	S	6/13/2005																
C4545	49	51.5	B1D7C9	R	6/14/2005	1950	kg/m3			2014	kg/m3			2.8	%			2.9	%		
C4545	49	51.5	B1D7C9	R	6/14/2005																
C4545	49	51.5	B1D7D0	R	6/14/2005																
C4545	104	106.5	B1D992		6/23/2005																
C4545	104	106.5	B1D992		6/23/2005	1712	kg/m3			1749	kg/m3			2.4	%			2.3	%		
C4545	178	180.5	B1D993		6/27/2005																
C4545	178	180.5	B1D993		6/27/2005	2124	kg/m3			2171	kg/m3			2.6	%			2.5	%		
C4545	234	236.5	B1D994		6/29/2005																
C4545	234	236.5	B1D994		6/29/2005	1884	kg/m3			1946	kg/m3			3.3	%			3.2	%		
C4545	262	264.5	B1D995		6/30/2005																
C4545	262	264.5	B1D995		6/30/2005	2305	kg/m3			2470	kg/m3			9.4	%			8.6	%		
			B1D7F1	EB	6/7/2005																

Table B-20. Physical Property Analysis Results for Borehole C4545 (216-A-8 Crib) (5 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Percent solids (%SOLIDS)				pH Measurement (PH)				pH Measurement (PH)				Specific gravity (SPECGVTY)			
						Gravimetry				150.1				9045				D854			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005									8	pH						
C4545	22.5	25	B1D9Y5		6/8/2005									8.8	pH						
C4545	27.5	30	B1D7C7	S	6/13/2005					8.02	pH		J								
C4545	27.5	30	B1D7C7	S	6/13/2005	94.2	%											2.8549	unitless		
C4545	27.5	30	B1D7C8	S	6/13/2005									8.9	pH						
C4545	49	51.5	B1D7C9	R	6/14/2005													2.7719	unitless		
C4545	49	51.5	B1D7C9	R	6/14/2005					8.25	pH		J								
C4545	49	51.5	B1D7D0	R	6/14/2005					8.37	pH		J								
C4545	104	106.5	B1D992		6/23/2005					9.11	pH										
C4545	104	106.5	B1D992		6/23/2005													2.728	unitless		
C4545	178	180.5	B1D993		6/27/2005					8.98	pH										
C4545	178	180.5	B1D993		6/27/2005													2.7878	unitless		
C4545	234	236.5	B1D994		6/29/2005					9.16	pH										
C4545	234	236.5	B1D994		6/29/2005													2.7168	unitless		
C4545	262	264.5	B1D995		6/30/2005					9.18	pH										
C4545	262	264.5	B1D995		6/30/2005													2.7833	unitless		
			B1D7F1	EB	6/7/2005					7.44	pH										

Table B-21. Wet Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (3 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Lab Code	Ammonia (7664-41-7) 350.1				Ammonia (7664-41-7) 350.3				Ammonium ion (14798-03-9) 300.7				Nitrate (14797-55-8) 300			
							Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	STLSL	70.5	µg/kg	U										31400	µg/kg		
C4545	22.5	25	B1D9Y5		6/8/2005	STLSL	70.5	µg/kg	U										9740	µg/kg		
C4545	27.5	30	B1D7C7	S	6/13/2005	WSCF									258	µg/kg	U		23600	µg/kg	B	
C4545	27.5	30	B1D7C7	S	6/13/2005	RLNP																
C4545	27.5	30	B1D7C8	S	6/13/2005	STLSL	74.2	µg/kg	U										1550	µg/kg		
C4545	49	51.5	B1D7C9	R	6/14/2005	WSCF									252	µg/kg	U		2880	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005	RLNP																
C4545	49	51.5	B1D7D0	R	6/14/2005	WSCF									252	µg/kg	U		2820	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005	RLNP																
C4545	104	106.5	B1D992		6/23/2005	RLNP																
C4545	104	106.5	B1D992		6/23/2005	WSCF									258	µg/kg	U		2880	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005	RLNP																
C4545	178	180.5	B1D993		6/27/2005	WSCF									558	µg/kg	B		2820	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	WSCF									316	µg/kg	B		2880	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	RLNP																
C4545	262	264.5	B1D995		6/30/2005	WSCF									252	µg/kg	U		2820	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005	RLNP																
			B1D7F1	EB	6/7/2005	WSCF									5.15	µg/L	B		921	µg/L		
			B1D7F2	EB	6/7/2005	RLNP					122	µg/L	U									
					TQL (µg/kg)		607				607				643				11071			

Table B-21. Wet Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (3 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Nitrite (14797-65-0)				Nitrogen in Nitrite and Nitrate (NO2+NO3-N)				Nitrogen in Nitrite and Nitrate (NO2+NO3-N)				Chloride (16887-00-6)			
						300				353.1				353.2				300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	200	µg/kg	U		53300	µg/kg							1700	µg/kg	B	
C4545	22.5	25	B1D9Y5		6/8/2005	312	µg/kg	B		27	µg/kg	U						2400	µg/kg		
C4545	27.5	30	B1D7C7	S	6/13/2005	3060	µg/kg	U										5280	µg/kg	B	
C4545	27.5	30	B1D7C7	S	6/13/2005									5130	µg/kg						
C4545	27.5	30	B1D7C8	S	6/13/2005	210	µg/kg	U		5800	µg/kg							760	µg/kg	B	
C4545	49	51.5	B1D7C9	R	6/14/2005	3120	µg/kg	U										2600	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005									200	µg/kg	U					
C4545	49	51.5	B1D7D0	R	6/14/2005	3060	µg/kg	U										2550	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005									4000	µg/kg	U					
C4545	104	106.5	B1D992		6/23/2005									203	µg/kg	U					
C4545	104	106.5	B1D992		6/23/2005	3120	µg/kg	U										2600	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005									364	µg/kg						
C4545	178	180.5	B1D993		6/27/2005	3060	µg/kg	U										2550	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005	3120	µg/kg	U										2600	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005									220	µg/kg						
C4545	262	264.5	B1D995		6/30/2005	3060	µg/kg	U										2550	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005									211	µg/kg	U					
			B1D7F1	EB	6/7/2005	19.7	µg/L	U										34	µg/L	U	
			B1D7F2	EB	6/7/2005									200	µg/L	U					
					TQL (µg/kg)	N/R				N/R				N/R				N/R			

Table B-21. Wet Chemistry Analysis Results for Borehole C4545 (216-A-8 Crib) (3 Pages)

Location	Sample Top (ft bgs)	Sample Bottom (ft bgs)	Sample	Sample Type	Sample Date	Fluoride (16984-48-8)				Phosphate (14265-44-2)				Sulfate (14808-79-8)			
						300				300				300			
						Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ	Conc'n	Units	Q	VQ
C4545	19	21.5	B1D9Y4		6/8/2005	51	µg/kg	U		2600	µg/kg	BC		62000	µg/kg		
C4545	22.5	25	B1D9Y5		6/8/2005	51	µg/kg	U		1500	µg/kg	BC		30400	µg/kg		
C4545	27.5	30	B1D7C7	S	6/13/2005	1130	µg/kg	U		8130	µg/kg	U		107000	µg/kg		
C4545	27.5	30	B1D7C7	S	6/13/2005												
C4545	27.5	30	B1D7C8	S	6/13/2005	53	µg/kg	U		1500	µg/kg	BC		3400	µg/kg	B	
C4545	49	51.5	B1D7C9	R	6/14/2005	1150	µg/kg	U		8280	µg/kg	U		5000	µg/kg	U	
C4545	49	51.5	B1D7C9	R	6/14/2005												
C4545	49	51.5	B1D7D0	R	6/14/2005	1130	µg/kg	U		8130	µg/kg	U		4900	µg/kg	U	
C4545	49	51.5	B1D7D0	R	6/14/2005												
C4545	104	106.5	B1D992		6/23/2005												
C4545	104	106.5	B1D992		6/23/2005	1150	µg/kg	U		8280	µg/kg	U		5000	µg/kg	U	
C4545	178	180.5	B1D993		6/27/2005												
C4545	178	180.5	B1D993		6/27/2005	1130	µg/kg	U		8130	µg/kg	U		6320	µg/kg	B	
C4545	234	236.5	B1D994		6/29/2005	1150	µg/kg	U		8280	µg/kg	U		5000	µg/kg	U	
C4545	234	236.5	B1D994		6/29/2005												
C4545	262	264.5	B1D995		6/30/2005	1130	µg/kg	U		8130	µg/kg	U		4900	µg/kg	U	
C4545	262	264.5	B1D995		6/30/2005												
			B1D7F1	EB	6/7/2005	18	µg/L	U		239	µg/L	U		150	µg/L	U	
			B1D7F2	EB	6/7/2005												
					TQL (µg/kg)	N/R				N/R				N/R			