

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)					
<b>SEDIMENT SAMPLES</b>																	
21-11125 - DP Canyon Stream Channel															No resampling - Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening		Samples from this location intended to supplement DP Canyon Reach Report.
MD21-00-0078	06/20/00	0-0.5	A	A	D	D	A	D	A	D	NR	N	Y	No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Complete field logbook entry.		DRO detected at 52 ppm. Field logbook entry is incomplete.	
MD21-00-0040	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	Y	No resampling - Obtain ARS radiation screening data. Complete field logbook entry.		Location resampled for VOC analysis only.	
21-11126 - DP Canyon Stream Channel															No resampling - Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening		Samples from this location intended to supplement DP Canyon Reach Report.
MD21-00-0079	06/21/00	0-0.5	A	A	D	D	A	D	A	D	NR	N	Y	No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Complete field logbook entry.		DRO detected at 66 ppm. Field logbook entry is incomplete.	
MD21-00-0041	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	Y	No resampling - Obtain ARS radiation screening data. Complete field logbook entry.		Location resampled for VOC analysis only.	
21-11127 - DP Canyon Stream Channel															No resampling - Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening		Samples from this location intended to supplement DP Canyon Reach Report.



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 - No Resampling  
 - Resample

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			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
MD21-00-0080	06/21/00	0-0.5	A	A	D	D	A	D	A	D	NR	N	Y	<b>No resampling</b> - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Complete field logbook entry.		DRO detected at 69 ppm. Field logbook entry is incomplete.
MD21-00-0042	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete field logbook entry.		Location resampled for VOC analysis only.
21-11128 - DP Canyon Stream Channel														<b>No resampling</b> - Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening		Samples from this location intended to supplement DP Canyon Reach Report.
MD21-00-0081	06/21/00	0-0.5	A	A	D	D	A	D	A	D	NR	N	Y	<b>No resampling</b> - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Complete field logbook entry.		DRO detected at 73 ppm. Field logbook entry is incomplete.
MD21-00-0043	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete field logbook entry.		Location resampled for VOC analysis only.
<b>HAND-AUGER SAMPLES</b>																
<b>Fill Ports</b>																
Auger Hole 21-11140														<b>Resample - wrong location sampled. Include required QA/QC samples.</b> Need field visit to obtain description of sample location and collect information for surface fractures and relationship to stream channel and other auger holes. Prepare borehole log after resampling.		Samples location was to be adjacent to geophysical anomaly northeast of fill port #13 and wood post.
MD21-00-0059	07/07/00	0-1	A	A	D	D	A	D	D	D	D	N	N	<b>Resample</b> - wrong location sampled.		Sample collection log and field logbook entry are incomplete
	07/07/00	1-2	D	D	D	D	A	D	D	D	D	N	N	<b>Resample</b> - wrong location sampled.		Sample collection log and field logbook entry are incomplete
	07/07/00	2-3	D	D	D	D	A	D	D	D	D	N	N	<b>Resample</b> - wrong location sampled.		Sample collection log and field logbook entry are incomplete

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			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
MD21-00-0060	07/07/00	4-5	A	A	D	D	A	D	D	D	D	D	N	N	Resample - wrong location sampled.		Sample collection log and field logbook entry are incomplete
Auger Hole 21-11141															No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Prepare borehole log.		Sample location was designated as a hand auger sample adjacent to fill port. Inadequate information in field logbook and sample collection logs to prepare borehole log.
MD21-00-0061	07/07/00	0-1	A	A	D	D	A	D	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field documentation incomplete
	07/07/00	1-2	D	D	D	D	A	D	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field documentation incomplete
	07/07/00	2-3	D	D	D	D	A	D	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field documentation incomplete
	07/07/00	3-4	D	D	D	D	A	D	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field documentation incomplete
MD21-00-0062	07/07/00	4-5	A	A	D	D	A	D	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field documentation incomplete
Storm Drain Sediment Samples																	Per the RSI Response, this set of samples was intended to be sediment samples collected from catch basins downgradient of the 3 storm drains.
Sediment Sample 21-11129 (west drainage)															No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Prepare borehole log.		Sample location was designated as the first sediment sample below the eastern storm drain pipe.
MD21-00-0035	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	N	N	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Was RAD screening collected? Because DRO was detected at 37 ppm, a second sample was collected downgradient of the first per the RSI Response.

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			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Sediment Sample 21-11164 (west drainage)														Lost by Fed EX. Replacement sample location ID 21-11172.		Sample location was designated as the second sediment sample below the eastern storm drain pipe. Lost by Fed EX. Replacement sample location ID 21-11172.
MD21-00-0122	08/09/00	0-0.5	A	D	D	D	A	D	D	D	NR	Y-antimony	Y	Lost by Fed EX. Replacement sample location ID 21-11172.		Lost by Fed EX. Replacement sample location ID 21-11172.
Replacement Sediment Sample 21-11172														No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		No logbook entries for this date, sample collection log incomplete. Same location as 21-11164.
MD21-00-0145	08/28/00	0-0.5	A	D	D	D	A	D	D	D	NR	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		No logbook entries for this date, sample collection log incomplete. Same location as 21-11164. DRO at 21 ppm, no rejected data.
Sediment Sample 21-11130 (middle drainage)													N	No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Prepare borehole log.		Sample location was designated as the first sediment sample below the middle storm drain pipe.
MD21-00-0036	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	N	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Because DRO was detected at 460 ppm, a second sample was collected downgradient of the first per the RSI Response.
Sediment Sample 21-11165 (middle drainage)													N	Lost by Fed EX. Replacement sample location ID 21-11173.		Lost by Fed EX. Replacement sample location ID 21-11173.
MD21-00-0124	08/09/00	0-0.5	A	D	D	D	A	D	D	D	NR	N	N	Lost by Fed EX. Replacement sample location ID 21-11173.		Lost by Fed EX. Replacement sample location ID 21-11173.
Replacement Sediment Sample 21-11173														No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Prepare borehole log.		No logbook entries for this date. Same location as 21-11165. No further sampling required below this storm drain pipe.
MD21-00-0147	08/28/00	0-0.5	A	D	D	D	A	D	D	D	NR	N	N	No resampling - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data. Prepare borehole log.		No logbook entries for this date. Same location as 21-11165. No hydrocarbon-related contaminants detected, no rejected data.
Sediment Sample 21-11131 (wrong location)														Resample - Wrong location. Include required QA/QC samples.		Resample - wrong location.
MD21-00-0037	06/22/00	0-0.5	A	A	D	D	A	D	D	D	NR	N	N	Resample - Wrong location. Include required QA/QC samples.		Resample - wrong location.

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Sediment Sample 21-11166 (wrong location sampled)														Resample - Wrong location. Include required QA/QC samples.		Resample - wrong location.
MD21-00-0126	08/09/00	0-0.5	A	D	D	D	A	D	D	D	NR	N	N	Lost by Fed EX. Replacement sample location ID 21-11174 still at wrong location.		No logbook entries for this date. Lost by Fed EX. Replacement sample location ID 21-11174 still at wrong location.
Replacement Sediment Sample 21-11174 (wrong location sampled)														Resample - Wrong location. Include required QA/QC samples.		No logbook entries for this date. Lost by Fed EX. Replacement sample location ID 21-11174 still at wrong location.
MD21-00-0149 (wrong location sampled)	08/28/00	0-0.5	A	D	D	D	A	D	D	D	NR	N	N	Resample - Wrong location. Include required QA/QC samples.		No logbook entries for this date. Lost by Fed EX. Replacement sample location ID 21-11174 still at wrong location.
Sediment Sample 21-11167 (wrong location sampled)													N	Lost by Fed Ex. Resample - wrong location. Include required QA/QC samples.		Lost by Fed Ex. Resample - wrong location.
MD21-00-0129	08/09/00	0-0.5	A	D	D	D	A	D	D	D	NR	Y-antimony	N	Lost by Fed Ex. Resample - wrong location. Include required QA/QC samples.		Lost by Fed Ex. Resample - wrong location.
Replacement Sediment Sample 21-11175 (wrong location sampled)														Resample - Wrong location. Include required QA/QC samples.		No logbook entries for this date. Resample - wrong location.
MD21-00-0151 (wrong location sampled)	08/28/00	0-0.5	A	D	D	D	A	D	D	D	NR	Y-kerosene and DRO	N	Resample - Wrong location. Include required QA/QC samples.		No logbook entries for this date. Resample - wrong location.
Upgradient Sediment Sample																
Sediment Sample 21-11139 (background sediment sample below Verde Ridge)														Resample - Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Include required QA/QC samples. Obtain ARS radiation screening data.		Background sample located below Verde Ridge parking lot
MD21-00-0055	07/06/00	0-0.5	A	A	D	D	A	D	D	D	NR	Y-acetone	Y	Resample - sample location cannot be confirmed. Include required QA/QC samples.		Was this sample collected from 21-11137 or 21-11139? Sample collection logs and field logbook entry incomplete and unclear.

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DP Canyon Stream Channel Auger Samples																These auger samples were collected in and around the western sheen to determine the source and extent of the sheen.
Auger Hole 21-11132														Resample - need to define vertical extent and collect required field data. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Located near center of the western sheen area. Field data poorly documented, incomplete sample collection logs and field logbooks. Samples never submitted to SMO or lab.
	06/22/00	0-1	D	D	A	A	A	D	D	D	D	N	Y	Resample - samples never submitted to SMO or to the lab.		Sample collection logs and field logbooks incomplete and unclear.
MD21-00-0044	06/22/00	1-2	A	A	A	A	A	D	D	D	D	N	Y	Resample - samples never submitted to SMO or to the lab.		No analytical data. Sample collection logs and field logbooks incomplete and unclear. Sample not submitted to SMO or lab.
	06/23/00	2-3	D	D	A	A	A	D	D	D	D	N	Y	Resample - samples never submitted to SMO or to the lab.		Sample collection logs and field logbooks incomplete and unclear.
MD21-00-0045	06/23/00	3-4	A	A	A	A	A	D	D	D	D	N	Y	Resample - samples never submitted to SMO or to the lab.		No analytical data. Sample collection logs and field logbooks incomplete and unclear. Sample not submitted to SMO or lab.
Auger Hole 21-11133														Resample - need to define vertical extent and collect required field data. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Located near center of the western sheen area. Field data poorly documented, incomplete sample collection logs and field logbooks. Location ID 21-11134 was noted as the replacement for location 21-11133. However, maps indicate that location 21-11134 is approximately 15 feet away from 21-11133 and on the opposite side of the stream channel from location 21-11133.
	06/23/00	0-1	D	D	D	D	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.

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			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
MD21-00-0046	06/23/00	1-2	A	A	D	D	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
MD21-00-0047	06/23/00	2-3	A	A	D	D	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
	06/23/00	3-4	D	D	D	D	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
Auger Hole 21-11134														Resample - need to define vertical extent and collect required field data. <b>Include required QA/QC samples.</b> Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Located near center of the western shear area. Field data poorly documented, incomplete sample collection logs and field logbooks. Location ID 21-11134 was noted as the replacement for location 21-11133. However, maps indicate that location 21-11134 is approximately 15 feet away from 21-11133 and on the opposite side of the stream channel from location 21-11133.
	06/26/00	0-1	D	D	D	A	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
MD21-00-0048	06/26/00	1-2	A	A	D	A	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
	06/26/00	3-4	D	D	D	A	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
MD21-00-0049	06/26/00	4-5	A	A	D	A	A	D	D	D	D	N	N	Resample - collect required field documentation		Sample collection logs and field logbooks incomplete and unclear as to actual sample location ID.
VOC Replacement Sample (21-11179) MD21-00-0162	09/14/00	0-1	A	D	D	D	A	D	D	D	D	N	N	Resample - <b>Include required QA/QC samples.</b> Collect required field documentation		No logbook entries for this date and sample collection log is incomplete and unclear. <b>Sample location a resample for VOC analysis only.</b>
VOC Replacement Sample (21-11179) MD21-00-0161	09/14/00	4-5	A	D	D	D	A	D	D	D	D	N	N	Resample - <b>Include required QA/QC samples.</b> Collect required field documentation		No logbook entries for this date and sample collection log is incomplete and unclear. <b>Sample location a resample for VOC analysis only.</b>

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			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Auger Hole 21-11135														Resample - need to define vertical extent and collect required field data. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Sample location positioned in original sheen area to help determine source and extent of sheen. Inadequate information in field logbook and sample collection logs to prepare borehole log.
	07/05/00	0-1	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Field logbooks incomplete.
	07/05/00	1-2	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Field logbooks incomplete.
MD21-00-0050	07/05/00	2-3	A	A	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete. DRO detected at 8,400 ppm.
	07/05/00	3-4	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Field logbooks incomplete.
	07/05/00	4-5	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Field logbooks incomplete.
MD21-00-0051	07/05/00	5-6	A	A	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete. DRO detected at 54 ppm.
Auger Hole 21-11136														Resample - need to define vertical extent and collect required field data. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Sample location positioned in original sheen area to help determine source and extent of sheen. Inadequate information in field logbook and sample collection logs to prepare borehole log.
MD21-00-0052	07/05/00	1-2	A	A	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		No organics detected. Sample collection logs and field logbook entries are incomplete.
MD21-00-0053	07/05/00	2-3	A	A	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		No organics detected. Sample collection logs and field logbook entries are incomplete.

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			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Auger Hole 21-11137															Resample - need to define vertical extent and collect required field data, plus SVOC data rejected. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Sample location positioned between the original sheen area and the western sheen per RSI Response to determine source and extent of sheen. Inadequate information in field logbook and sample collection logs to prepare borehole log.
MD21-00-0054	07/06/00	1-2	A	A	D	D	A	D	D	D	D	Y-acetone	Y	Resample - collect required field documentation		DRO detected at 18 ppm. Sample collection logs and field logbook entries are incomplete and unclear.	
	07/06/00	2-3	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	07/06/00	3-4	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
MD21-00-0056	07/06/00	4-5	A	A	D	D	A	D	D	D	D	Y-all 69 SVOC analytes and acetone	Y	Resample - collect required field documentation		Was this sample collected from 21-11137 or 21-11139? FIMAD shows it was collected from 21-11139. Sample collection logs and field logbook entries are incomplete and unclear. No DRO detected.	
Auger Hole 21-11138															Resample - need to collect required field data and subsurface geological information. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Sample location positioned west of the western sheen to determine source and extent of both sheen areas in western end of DP Canyon. Sample collection logs and field logbook entries incomplete and unclear. It appears that 21-11138 reached refusal at 13' bgs while still in contaminated zone. Resampling effort 21-11168 reached refusal at 35' bgs while still in contaminated zone. Angled boreholes 21-11170 and -11171 utilized to determine extent, still need subsurface geologic information.
	07/07/00	2-3	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	

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Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Auger Hole 21-11138 MD21-00-0057	07/07/00	3-4	A	A	D	D	A	D	D	A	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear. DRC detected at 21,000 ppm, GRO detected at 2,400 ppm, and Stoddard solvent was ND.
	07/07/00	4-5	D	D	D	D	A	D	D	A	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	5-6	D	D	D	D	A	D	D	A	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	6-7	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	7-8	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	8-9	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	9-10	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	10-11	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
	07/07/00	11-12	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.
MD21-00-0058	07/07/00	12-13	A	A	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear. DRC detected at 110 ppm, GRO detected at 0.76 ppm, and Stoddard solvent was ND.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening						Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)					
Replacement Auger Hole 21-11168 (for 21-11138)															Resample - need to collect required field data and subsurface geological information. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Sample location positioned west of the western sheen to determine source and extent of both sheen areas in western end of DP Canyon. Sample collection logs and field logbook entries incomplete and unclear. It appears that 21-11138 reached refusal at 13' bgs while still in contaminated zone. Resampling effort 21-11168 reached refusal at 35' bgs while still in contaminated zone. Angled boreholes 21-11170 and -11171 utilized to determine extent, still need subsurface geologic information.
	08/16/00	6-7	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/16/00	8-9	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/16/00	10-11	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/16/00	12-13	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
MD21-00-0133	08/16/00	14-15	A	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear. DRC detected at 100 ppm, GRO was ND, and Stoddard solvent was at 0.87 ppm.	
	08/16/00	16-17	D	D	D	A	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/17/00	18-19	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/17/00	20-21	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/17/00	22-23	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Replacement Auger Hole 21-11168 (for 21-11138)	08/17/00	23.5-24.5	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
	08/17/00	26-27	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear.	
MD21-00-0134	08/17/00	29-30	A	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete and unclear. DRO detected at 290 ppm, GRO was ND, and Stoddard solvent was at 3.4 ppm.	
Auger Hole 21-11142														No resampling - Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Prepare borehole log.		Sample location positioned north of the western sheen to define extent on north side of stream channel. Sample collection logs and field logbook entries are incomplete and inadequate to prepare borehole log.	
	07/10/00	0-1	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0063	07/10/00	1-2	A	A	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		DRO was ND, GRO detected at 0.11 ppm.	
MD21-00-0064	07/10/00	2-3	A	A	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		DRO was ND, GRO was ND, extent defined. Sample collection logs and field logbook entries are incomplete.	

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Auger Hole 21-11157															No resampling - Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Prepare borehole log.		Sample location positioned north of the western sheen to define extent on north side of stream channel. Sample collection logs and field logbook entries are incomplete and inadequate to prepare borehole log.
MD21-00-0118	08/07/00	2-2.5	A	D	D	D	A	D	D	D	D	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		DRO detected at 210 ppm and Stoddard solvent was detected at 0.33 ppm. Sample collection logs and field logbook entries are incomplete.	
	08/07/00	4-4.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/07/00	6-6.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/07/00	8-8.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/07/00	10-10.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/07/00	12-12.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0119	08/07/00	14-14.8	A	D	D	D	A	D	D	D	D	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		DRO was ND and Stoddard solvent was ND, extent defined. Sample collection logs and field logbook entries are incomplete.	

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)					
Auger Hole 21-11162																	Sample location positioned north of the western sheen to define extent on north side of stream channel. Sample collection logs and field logbook entries are incomplete and inadequate to prepare borehole log.
	08/07/00	2-2.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/07/00	4-4.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0120	08/07/00	6-6.5	A	D	D	D	A	D	D	D	D	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		DRO detected at 63 ppm. Sample collection logs and field logbook entries are incomplete.	
	08/07/00	8-8.8	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/07/00	10-10.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/08/00	12-12.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/08/00	14-14.5	D	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0121	08/08/00	16-16.5	A	D	D	D	A	D	D	D	D	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		DRO was ND, extent defined. Sample collection logs and field logbook entries are incomplete.	
Auger Hole 21-11163																	Sample location positioned northwest of the original sheen to define extent on north side of stream channel. Sample collection logs and field logbook entries are incomplete and inadequate to prepare borehole log.
	08/08/00	2-2.5	D	D	D	D	A	D	D	D	D	N	Y	Resample - Fed Ex lost sample and location was not resampled. Include required QA/QC samples. Collect additional field information to supplement investigation. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Prepare borehole log.		Sample collection logs and field logbook entries are incomplete and unclear.	

Western  
Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Auger Hole 21-11163	08/08/00	4-4.5	D	D	D	D	A	D	D	D	D	N	Y	Resample - Fed Ex lost samples, location never resampled.		Sample collection logs and field logbook entries are incomplete and unclear.
MD21-00-0131	08/09/00	6-6.5	A	D	D	D	A	D	D	D	D	Y-antimony	Y	Resample - Fed Ex lost samples, location never resampled.		Sample collection logs and field logbook entries are incomplete and unclear.
	08/09/00	8-8.5	D	D	D	D	A	D	D	D	D	N	Y	Resample - Fed Ex lost samples, location never resampled.		Sample collection logs and field logbook entries are incomplete and unclear.
MD21-00-0132	08/09/00	10-10.5	A	D	D	D	A	D	D	D	D	Y-antimony	Y	Resample - Fed Ex lost samples, location never resampled.		Sample collection logs and field logbook entries are incomplete and unclear.
Auger Hole 21-11169														Resample - need to collect required field data and subsurface geological information. Include required QA/QC samples. Prepare borehole log after resampling. Need field visit to obtain description of sample location and surface fractures and relationship to stream channel. Obtain ARS radiation screening data.		Sample location positioned west of the western shien to define extent at west end of DP Canyon. Inadequate information in field logbook and sample collection logs to prepare borehole log.
	08/21/00	1.5-2	A	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete.
	08/21/00	3.25-3.75	A	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete.
MD21-00-0135	08/21/00	6-7	D	D	D	D	A	D	D	D	D	Y-antimony	Y	Resample - collect required field documentation		DRO was ND, Stoddard solvent detected at 0.69 ppm. Sample collection logs and field logbook entries are incomplete.
	08/21/00	9-10	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete.
	08/21/00	12-13	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete.
	08/21/00	15-16	D	D	D	D	A	D	D	D	D	N	Y	Resample - collect required field documentation		Sample collection logs and field logbook entries are incomplete.
MD21-00-0136	08/21/00	19-20	A	D	D	D	A	D	D	D	D	Y-antimony	Y	Resample - collect required field documentation		DRO was ND, Stoddard solvent was ND, extent determined?. Sample collection logs and field logbook entries are incomplete.

Western  
Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening				Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)					Rejected Data (Y-analyte or N)
<b>BOREHOLE SAMPLES</b>																
Mesa Top North of Fence/Access road																
Borehole 21-11144																
	07/13/00	4-5	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/13/00	9-10	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/13/00	14-15	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/13/00	19-20	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0067	07/13/00	24-25	A	A	D	D	A	D	D	D	D	Y-acetone	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected, may not have been deep enough.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11144	07/13/00	29-30	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/13/00	34-35	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0068	07/13/00	39-40	A	A	D	D	A	D	D	D	D	Y-acetone	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected, may not have been deep enough.
Borehole 21-11145														No resampling?? - Need to borehole elevation, depth to subsurface TPH in other boreholes, and elevation of the stream channel to determine if borehole should be advanced to greater depth. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location north of fence and access road per map in RSI Response. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. Will this location have to be redrilled since it was deep enough to have encountered TPH in the subsurface?
	07/14/00	4-5	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	7/14/00	7.5-10.0 (9-10)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/14/00	12.5-15 (14-15)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11145	07/14/00	17.5-20 (19-20)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/14/00	20-22.5 (21-22)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0069	07/14/00	22.5-25 (24-25)	A	A	D	D	A	D	D	D	D	Y-Butanone(2-)	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. GRO was ND.
	07/14/00	27.5-30 (29-30)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. Field notebook says these were drilled on 7/17/00. Sample summary table says 7/14/00. Which date is correct?
	07/14/00	32.5-35 (34-35)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. Field notebook says these were drilled on 7/17/00. Sample summary table says 7/14/00. Which date is correct?
MD21-00-0070	07/14/00	37.5-40 (39-40)	A	A	D	D	A	D	D	D	D	Y-Butanone(2-)	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. Field notebook says these were drilled on 7/17/00. Sample summary table says 7/14/00. Which date is correct? GRO detected at 0.087 ppm.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments			
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)							
Borehole 21-11146																	No resampling?? - Need to borehole elevation, depth to subsurface TPH in other boreholes, and elevation of the stream channel to determine if borehole should be advanced to greater depth. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location north of fence and access road per map in RSI Response. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. Will this location have to be redrilled since it was deep enough to have encountered TPH in the subsurface?
	07/14/00	4-5	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.			
	07/14/00	7.5-10 (9-10)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.			
	07/14/00	12.5-15 (14-15)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.			
MD21-00-0071	07/14/00	15-17.5 (fracture)	A	A	D	D	A	D	D	D	D	Y-Butanone(2-)	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.			
	07/14/00	17.5-20 (19-20)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.			

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11146	07/14/00	22.5-25 (24-25)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/14/00	27.5-30 (29-30)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. Field notebook says these were drilled on 7/17/00. Sample summary table says 7/14/00. Which date is correct?
	07/17/00	32.5-35 (34-35)	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0072	07/17/00	37.5-40 (39-40)	A	A	D	D	A	D	D	D	D	Y-Butanone(2-)	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
Borehole 21-11147														No resampling required. Borehole advanced to depth of 75'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location north of fence and access road per map in RSI Response. Sample collection logs and field logbook entries are incomplete; however photographs of this location were taken. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Location should not have to be redrilled since it was deep enough to have encountered TPH in the subsurface. Vertical extent defined.</b>
	07/18/00	4-5	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/18/00	9-10	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/18/00	14-15	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Borehole 21-11147	07/18/00	19-20	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/18/00	24-25	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/18/00	29-30	A	D	D	A	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/18/00	34-35	A	D	D	A	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0073	07/18/00	37-38 (fracture)	A	D	A	A	A	A	D	A	D	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/18/00	39-40	A	D	A	D	A	A	A	A	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0074	07/18/00	44-45	A	D	A	D	A	D	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/18/00	45-47.5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/18/00	47.5-49	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0088	07/18/00	49-50	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. GRO was ND.	
MD21-00-0089	07/18/00	54-55	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. GRO was ND.	
MD21-00-0090	07/19/00	57.5-60 (59.7-60.3)	A	D	A	D	A	A	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. GRO was ND.	
MD21-00-0091	07/19/00	62.5-65 (63-65)	A	D	A	D	A	A	D	A	A	Y-acetone and all 69 SVOC analytes	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. Rejected data should not impact assessment, no SVOCs detected in sample above or in sample below this one. GRO detected at 0.13 ppm.	
	07/19/00	65-67.5	A	D	A	D	A	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	

Wester  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Borehole 21-11147 MD21-00-0092	07/19/00	67.5-70 (69-70)	A	D	A	D	A	A	D	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. GRO detected at 0.093 ppm.
	07/19/00	72.5-75 (74-75)	A	D	A	D	A	A	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
Borehole 21-11148															No resampling required. Borehole advanced to depth of 65'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location north of fence and access road per map in RSI Response. Sample collection logs and field logbook entries are incomplete; however photographs of this location were taken. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. Location should not have to be redrilled since it was deep enough to have encountered TPH in the subsurface. Vertical extent defined.
	07/19/00	4-5	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/19/00	7.5-10 (9-10)	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/19/00	12.5-15 (14-15)	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/19/00	17.5-20 (19-20)	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/19/00	22.5-25 (24-25)	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/19/00	27.5-30 (29-30)	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/19/00	32.5-35 (34-35)	A	D	A	D	A	D	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Borehole 21-11148	07/19/00	35-36.5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0093	07/19/00	36.5-37.5	A	D	A	D	A	A	D	A	A	N	Y	Resample?? - samples never submitted to SMO or to the lab.		Sample collection logs and field logbook entries are incomplete, and sample was never submitted to SMO or lab. Is this sample necessary to show extent?	
	07/19/00	37.5-40 (39-40)	A	D	A	D	A	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/20/00	47.5-48.5	A	D	D	D	A	A	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0094	07/20/00	51-52	A	D	A	A	A	A	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.	
	07/20/00	57.5-60 (59-60)	A	D	A	D	A	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0095	07/20/00	64-65	A	D	A	D	A	A	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.	
Borehole 21-11153														No resampling required. Borehole advanced to depth of 95'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location north of fence and access road per map in RSI Response. Sample collection logs and field logbook entries are incomplete; however photographs of this location were taken. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. Location should not have to be redrilled since it was deep enough to have encountered TPH in the subsurface. Vertical extent defined.	
	07/31/00	4-5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/31/00	5-6	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11153	07/31/00	9-10	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	14-15	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	16.5-17.5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	19-20	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	24-25	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	29-30	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	34-35	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	39-40	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	44-45	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0109	07/31/00	49-50	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.
	07/31/00	54-55	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	59-60	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	64-65	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	69-70	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	74-75	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western Area  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Offactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11153	07/31/00	79-80	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	84-85	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	89-90	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0110	07/31/00	94-95	A	D	A	D	A	D	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.
Borehole 21-11154														No resampling - Borehole advanced to depth of 95'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location was an additional borehole location along the access road to define the extent of TPH contamination northeast of the former location of the West Fill Station per map in RSI Response. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Location should not have to be redrilled since it was deep enough to have encountered TPH in the subsurface. Vertical extent defined.</b>
	07/31/00	4-5	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	9-10	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	14-15	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/31/00	19-20	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunosassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11154	07/31/00	24-25	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	29-30	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	34-35	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	39-40	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	44-45	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0111	08/01/00	49-50	A	D	A	A	A	D	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	54-55	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	59-60	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	64-65	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	69-70	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	74-75	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	79-80	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	84-85	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	89-90	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0112	08/01/00	92.5-92.5	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Oilfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
	08/01/00	94-95	D	D	D	D	D	D	D	D	N	Y	No resampling required. Obtain ARS radiation screening data. Complete field logbook.		No entry in field logbook.	
Borehole 21-11155													No resampling required. Borehole advanced to depth of 90'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location was an additional borehole location along the access road and agreed to by NMED to define the extent of TPH contamination west of the West Fill Station and northwest of former Tank #9. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Location should not have to be redrilled since it was deep enough to have encountered TPH in the subsurface. Vertical extent defined.</b>	
	08/01/00	4-5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	9-10	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	14-15	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	19-20	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	24-25	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	29-30	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	34-35	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	39-40	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11155	08/01/00	44-45	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	49-50	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0113	08/01/00	54-55	A	D	A	A	A	D	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	59-60	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	64-65	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	69-70	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	74-75	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	79-80	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	80-81	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/01/00	84-85	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0114	08/01/00	87.5-90	A	D	A	D	A	D	A	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
<b>Western Valve Box</b>																
Borehole 21-11152 (wrong location)														Resample - Wrong location sampled. Include required QA/QC samples.		Borehole should have been located adjacent to the former western valve box per the RSI Response and map.
	07/27/00	4-5	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	7.5-10 (9-10)	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	14-15	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	19-20	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	24-25	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	29-30	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	34-35	A	D	A	D	A	D	A	D	A	N	N	Resample - Wrong location sampled.		
	07/27/00	39-40	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	44-45	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	49-50	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	54-55	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	59-60	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	60-61	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	64-65	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/27/00	69-70	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/28/00	74-75	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/28/00	79-80	A	D	A	A	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/28/00	84-85	A	D	A	A	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/28/00	89-90	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
MD21-00-0107	07/28/00	94-95	A	D	A	D	A	D	A	A	A	Y-acetone	N	Resample - Wrong location sampled.		No organics detected.
	07/28/00	98-99	A	D	A	A	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
	07/28/00	104-105	A	D	A	D	A	D	A	A	A	N	N	Resample - Wrong location sampled.		
MD21-00-0108	07/28/00	105-106	A	D	A	D	A	D	A	A	A	Y-acetone	N	Resample - Wrong location sampled.		No organics detected.

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**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
<b>Former Storage Tanks</b>																	
Borehole 21-11149 (Tank #9)															<b>Resampling required due to QA/QC data???</b> <b>Borehole advanced to depth of 120'.</b> Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location borehole located adjacent to the former location of Tank #9 per the RSI Response and map. Sample collection logs and field logbook entries are incomplete; however cores were photographed. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Location may have to be redrilled since no QA/QC data samples were collected and TPH contamination was observed from 4 to 104' bgs. Vertical extent was defined.</b>
MD21-00-0096	07/21/00	4-5	A	D	A	D	A	D	A	A	A	N	Y	<b>Resampling required???</b> Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO and GRO were ND.	
	07/21/00	7.5-10 (9-10)	A	D	A	D	A	D	A	A	A	N	Y	<b>Resampling required???</b> Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/21/00	12.5-15 (14-15)	A	D	A	A	A	D	A	A	A	N	Y	<b>Resampling required???</b> Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0097	07/21/00	17.5-20 (19-20)	A	D	A	D	A	D	A	A	A	N	Y	<b>Resampling required???</b> Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO and GRO were ND.	
	07/21/00	22.5-25 (24-25)	A	D	A	D	A	D	A	A	A	N	Y	<b>Resampling required???</b> Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/21/00	27.5-30 (29-30)	A	D	A	D	A	D	A	A	A	N	Y	<b>Resampling required???</b> Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11149 (Tank #9)	07/21/00	32.5-35 (34-35)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	37.5-40 (39-40)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	43.5-45 (44-45)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	47.5-50 (49-50)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	52.5-55 (54-55)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0098	07/21/00	57.5-60 (59-60)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO detected at 21 ppm, GRO detected at 0.44 ppm.
	07/21/00	62.5-65 (64-65)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	67.5-70 (69-70)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	72.5-75 (74-75)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	77.5-80 (79-80)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/21/00	82.5-85 (84-85)	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

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**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11149 (Tank #9) MD21-00-0099	07/21/00	89-90	A	D	A	D	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO detected at 31 ppm, GRO detected at 1.3 ppm.
	07/24/00	92.5-95 (94-95)	D	D	A	A	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/24/00	97.5-100 (99-100)	D	D	A	A	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/24/00	102.5-105 (104-105)	D	D	A	A	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/24/00	109-109.5	D	D	A	A	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/24/00	109.5-110	D	D	D	A	A	D	D	D	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/24/00	114-115	D	D	A	A	A	D	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0100	07/25/00	119-120	D	D	A	A	A	A	A	A	A	N	Y	Resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO and GRO were ND.

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				Data Usable (Y or N)
Borehole 21-11150 (Tank #10)																Sample location was the borehole location adjacent to former Tank #10 per the RSI Response and map. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Vertical extent defined.</b>
	07/25/00	4-5	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	7.5-10 (9-10)	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	14-15	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	19-20	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	24-25	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	29-30	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	34-35	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	39-40	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	44-45	A	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western  
Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11150 (Tank #10)	07/25/00	49-50	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	53.5-54.5	A	D	A	A	A	A	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	59-60	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0101	07/25/00	64-65	A	D	A	A	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.
	07/25/00	69-70	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/25/00	74-75	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	79-80	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	84-85	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	89-90	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	94-95	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	99-100	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	104-105	A	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0102	07/26/00	107.5-108.5	A	D	A	A	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening						Field Documentation						Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)	Data Usable (Y or N)					
Borehole 21-11151 (Tank #6)																No resampling required. Borehole advanced to depth of 106.5'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location was the borehole location adjacent to former Tank #6 per the RSI Response and map. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Vertical extent defined.</b>
	07/26/00	4-5 (2.5-5)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		
	07/26/00	7.5-10 (9-10)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		
	07/26/00	10-12.5 (11.5-12.5)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		
	07/26/00	12.5-15 (14-15)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		
	07/26/00	17.5-20 (19-20)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		
MD21-00-0103	07/26/00	24-25	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.		
	07/26/00	27.5-30 (29-30)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		
	07/26/00	30-32.5 (31.5-32.5)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.		

## Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunosassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11151 (Tank #6)	07/26/00	32.5-35 (34-35)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	37.5-40 (39-40)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	42.5-45 (44-45)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	47.5-50 (49-50)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	52.5-55 (54-55)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	57.5-60 (59-60)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	62.5-65 (64-65)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	65-67.5 (66-67)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	67.5-70 (69-70)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/26/00	72.5-75 (74-75)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/27/00	75-77.5 (75.8-76.8)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/27/00	77.5-80 (79-80)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/27/00	80-82.5 (80.5-81.5)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/27/00	82.5-85 (84-85)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/27/00	87.5-90 (89-90)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Rejected Data (Y-analyte or N)	Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)						
Borehole 21-11151 (Tank #6)	07/27/00	92.5-95 (94-95)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0104	07/27/00	95-98	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.	
	07/27/00	97.5-100 (99-100)	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/27/00	104-105	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
MD21-00-0105	07/27/00	105-105.5	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.	
MD21-00-0106	07/27/00	105.5-106.5	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.	
West Fill Station																	
Borehole 21-11143														No resampling required. Borehole advanced to depth of 50'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location was the borehole location adjacent to former West Fill Station per the RSI Response and map to confirm no residual TPH contamination was present from the Fill Station. Also, the analytical suite for the sample collected from the bottom of this borehole was to include Am-241, Co-60, CS-134, Cs-137, U-235 and tritium per the RSI Response. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. Vertical extent defined.	
	07/12/00	4-5	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	07/12/00	9-10	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11143	07/12/00	14-15	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/12/00	19-20	A	D	D	D	A	D	D	A	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0065	07/12/00	24-25	A	D	D	D	A	D	A	A	D	Y-acetone, DRO	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. <b>Rad analyses only?? Rad was to be analyzed in sample from bottom of hole?</b>
MD21-00-0075	07/12/00	24-25	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/12/00	29-30	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	07/12/00	34-35	A	D	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0083	07/12/00	39-40	A	A	D	D	A	D	D	D	D	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0066	07/13/00	44-45	A	A	D	D	A	D	D	D	D	Y-acetone	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Which depth interval was this sample collected from? 44-45? or 49 - 50? Where's the rad data? Field logbook entry is different than Sample Summary Table.
	07/13/00	49-50	A	D	D	D	A	D	D	D	D	N	Y	No resampling required?? Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. Rad analyses only?? Rad was to be analyzed in sample from bottom of hole?

Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
West of Tank #9																
Borehole 21-11156														No resampling required. Borehole advanced to depth of 100'. Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location was an additional the borehole location agreed to by NMED west of former Tank #9 to define extent of TPH contamination west of former Tank #9. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. Vertical extent defined.
	08/02/00	4-5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0115	08/02/00	9-10	A	D	A	D	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.
	08/02/00	14-15	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	19-20	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	24-25	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	27.5-28.5	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	34-35	A	D	A	D	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	39-40	A	D	A	D	A	D	A	D	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	44-45	A	D	A	D	A	D	A	D	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.

Western  
Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Offactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Borehole 21-11156	08/02/00	49-50	A	D	A	D	A	D	A	D	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	54-55	A	D	A	D	A	D	A	D	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	59-60	A	D	A	D	A	D	A	D	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0116	08/02/00	60-61	A	D	A	D	A	D	D	D	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.
	08/02/00	64-65	A	D	A	D	A	D	D	D	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/02/00	69-70	A	D	A	A	A	D	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/03/00	74-75	A	D	A	A	A	D	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/03/00	79-80	A	D	A	A	A	D	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/03/00	84-85	A	D	A	A	A	D	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/03/00	89-90	A	D	A	A	A	D	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/03/00	94-95	A	D	A	A	A	D	D	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0117	08/03/00	99-100	A	D	A	A	A	D	D	A	A	Y-acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. No organics detected.

Western Area  
Determination of Usable Data and Estimated Costs to Redo Work

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening						Field Documentation					Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)	Data Usable (Y or N)				
Angle Boreholes North of Access Road																The two angled boreholes were added at the request of NMED to define extent of TPH contamination beneath the western sheen area.	
Angle Borehole 21-11170														Y	<b>No resampling required?? Borehole advanced to depth of 92.5'</b> . Collect additional field information to supplement investigation; reevaluate to determine if resampling is required. Describe sample location and collect information for surface fractures and the relationship with the stream channel and other auger holes and boreholes. Obtain all equipment calibration logs and field logs documenting readings to verify rad screening. Revise borehole log per LANL comments and provide backup info used to prepare borehole log.		Sample location was an additional the angled borehole location agreed to by NMED to define extent of TPH contamination beneath the western sheen area in the stream channel. Sample collection logs and field logbook entries are incomplete. Field documentation is inadequate to support borehole log, how was it prepared? No information collected about the type of geologic material observed in the borehole. <b>Extent defined??</b> . There is very little information about this borehole in the field notebook. Most information is presented on the borehole log and the sample summary table.
MD21-00-0137	08/23/00	34-35	A	D	A	D	A	D	D	A	A	Y-antimony and acetone	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO detected at 23 ppm.	
	08/23/00	39-40	A	D	A	D	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/23/00	44-45	A	D	A	D	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/23/00	49-50	D	D	A	D	A	D	D	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/23/00	54-55	D	D	A	D	A	D	D	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/23/00	59-60	D	D	A	D	A	D	D	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	
	08/23/00	64-65	D	D	A	A	A	D	A	A	A	N	Y	<b>No resampling</b> - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.	

Western  
**Determination of Usable Data and Estimated Costs to Redo Work**

Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Ofactory (A or D)	Immunocassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Angle Borehole 21-11170 MD21-00-0138	08/23/00	69-70	A?	D	A	A	A	D	D	A	A	Y-antimony & acetone	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. DRO detected at 10 ppm.
	08/23/00	74-75	D	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	08/23/00	79-80	D	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
	8/24/00	84-85	D	D	A	A	A	D	A	A	A	N	Y	No resampling - Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete.
MD21-00-0140	08/24/00	91.5-92.5	A?	D	A	A	A	D	A	A	A	Y-antimony, acetone, kerosene, and DRO	Y	No resampling required??. Obtain ARS radiation screening data. Complete sample collection logs and field logbooks.		Sample collection logs and field logbook entries are incomplete. <b>DRO and kerosene rejected??</b>
Angle Borehole 21-11171														Resample - All DRO data rejected for all samples. Include required QA/QC samples.		There is very little information about this borehole in the field notebook. Most information is presented on the borehole log and the sample summary table.
	08/24/00	5-6	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	10-11	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	15-16	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	20-21	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	25-26	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	30-31	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		

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Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Data Usable (Y or N)	Activities to be Redone	Estimated Cost to Redo Work	Comments
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				
Angle Borehole 21-11171	08/24/00	35-36	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
MD21-00-0141	08/24/00	38-39	A?	D	A	A	A	D	D	A	A	Y-antimony, kerosene & DRO	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	41.5-42.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/24/00	46.5-47.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	51.5-52.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
MD21-00-0142	08/25/00	56-57	A	D	A	A	A	D	A	A	A	Y-antimony, kerosene & DRO	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	61.5-62.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	66.5-67.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	71.5-72.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	76.5-77.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	81.5-82.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		

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Sample Location ID & Fixed Lab Sample Number	Sample Collection Date	Depth (ft)	Field Screening					Field Documentation					Activities to be Redone	Estimated Cost to Redo Work	Comments	
			PID (A or D)	RAD (A or D)	Visual (A or D)	Olfactory (A or D)	Immunoassay (A or D)	Photographs (A or D)	Sample Description (A or D)	Fracture Information (A or D)	Borehole Logs (A or D or NR)	Rejected Data (Y-analyte or N)				Data Usable (Y or N)
Angle Borehole 21-11171	08/25/00	86.5-87.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	91.5-92.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	96.5-97.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
	08/25/00	101.5-102.5	D	D	A	A	A	D	A	A	A	N	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
MD21-00-0144	08/29/00	3.2-4.2	A?	D	A	A	A	D	D	A	A	Y-antimony, kerosene & DRO	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		Incorrect sampling depth documented.
MD21-00-0143	08/29/00	106.5-107.5	A?	D	A	A	A	D	A	A	A	Y-antimony, kerosene & DRO	N	Resample - All DRO data rejected for all samples. Include required QA/QC samples.		
<b>Notes:</b>																
A = acceptable																
D = deficient																
NR = not required																