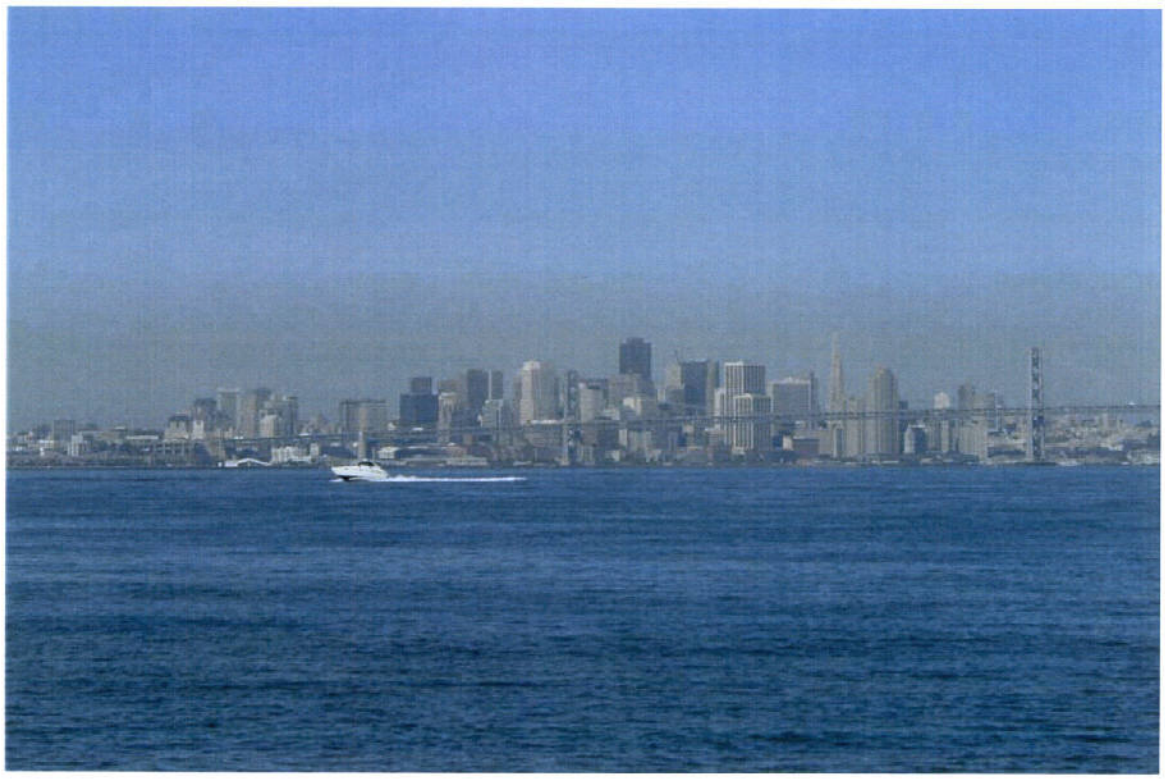
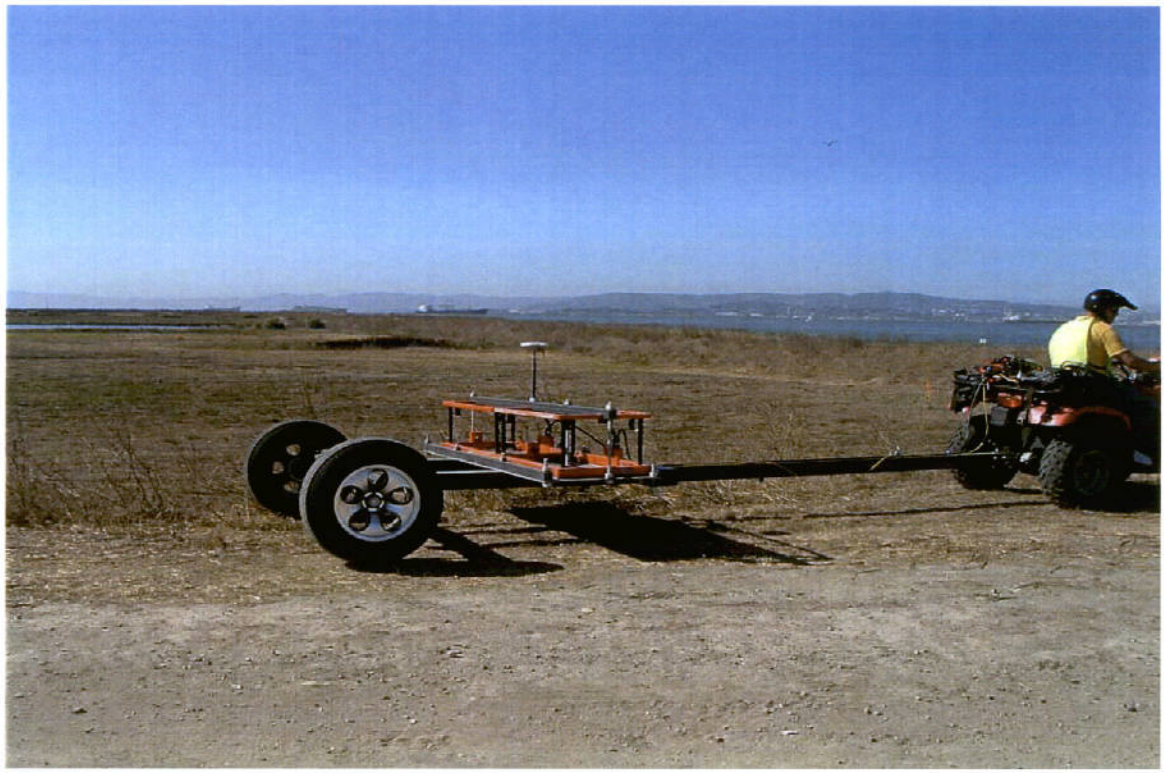
Appendix D – IR Site 2 Digital Photos

EIGER





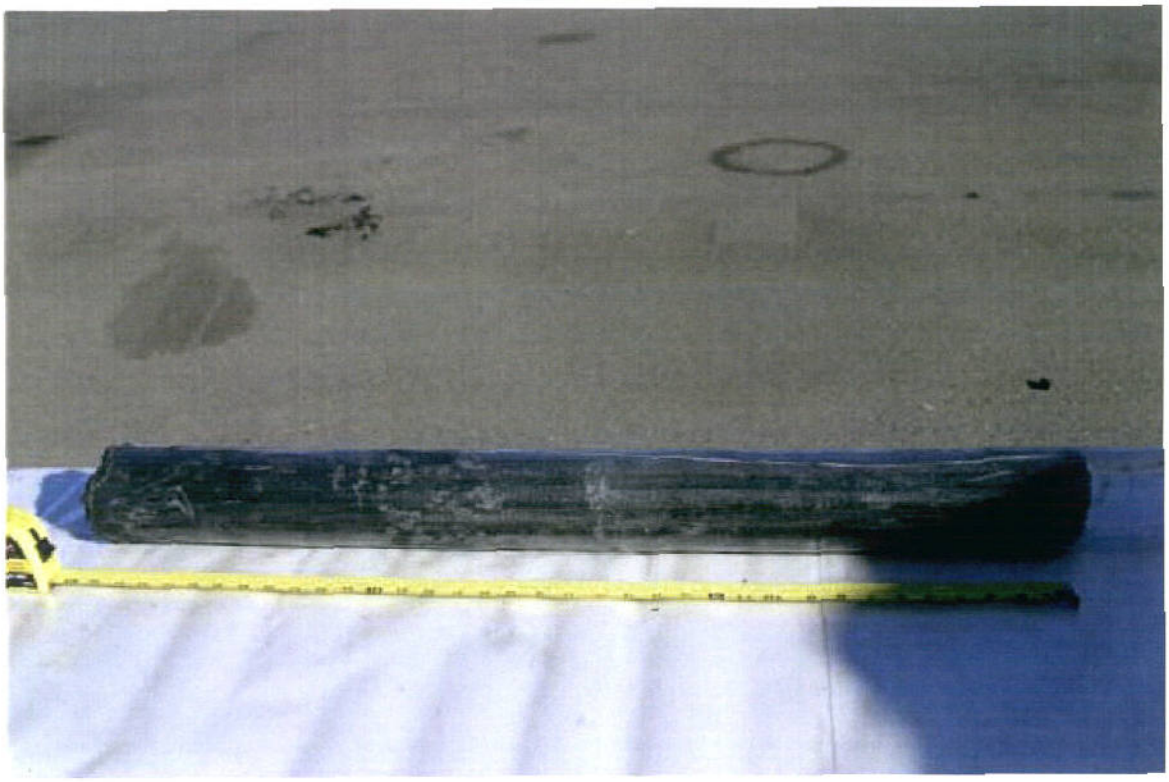
ATTACHMENT 3

RI FIELD SAMPLING PHOTOGRAPHS

(VIDEOGRAPHY OF EXPLORATORY TRENCHING ON SEPARATE CD ROM)

ATTACHMENT 3-1

DRY SEASON SAMPLING PHOTOGRAPHS



Representative sediment core collected from wetland ponds

Driving core tube into sediment (view from north side of North Pond)

Collecting GPS coordinates for core location (view from north side of North Pond)

Extracting sediment core with hand winch and ladder (view from north side of North Pond)

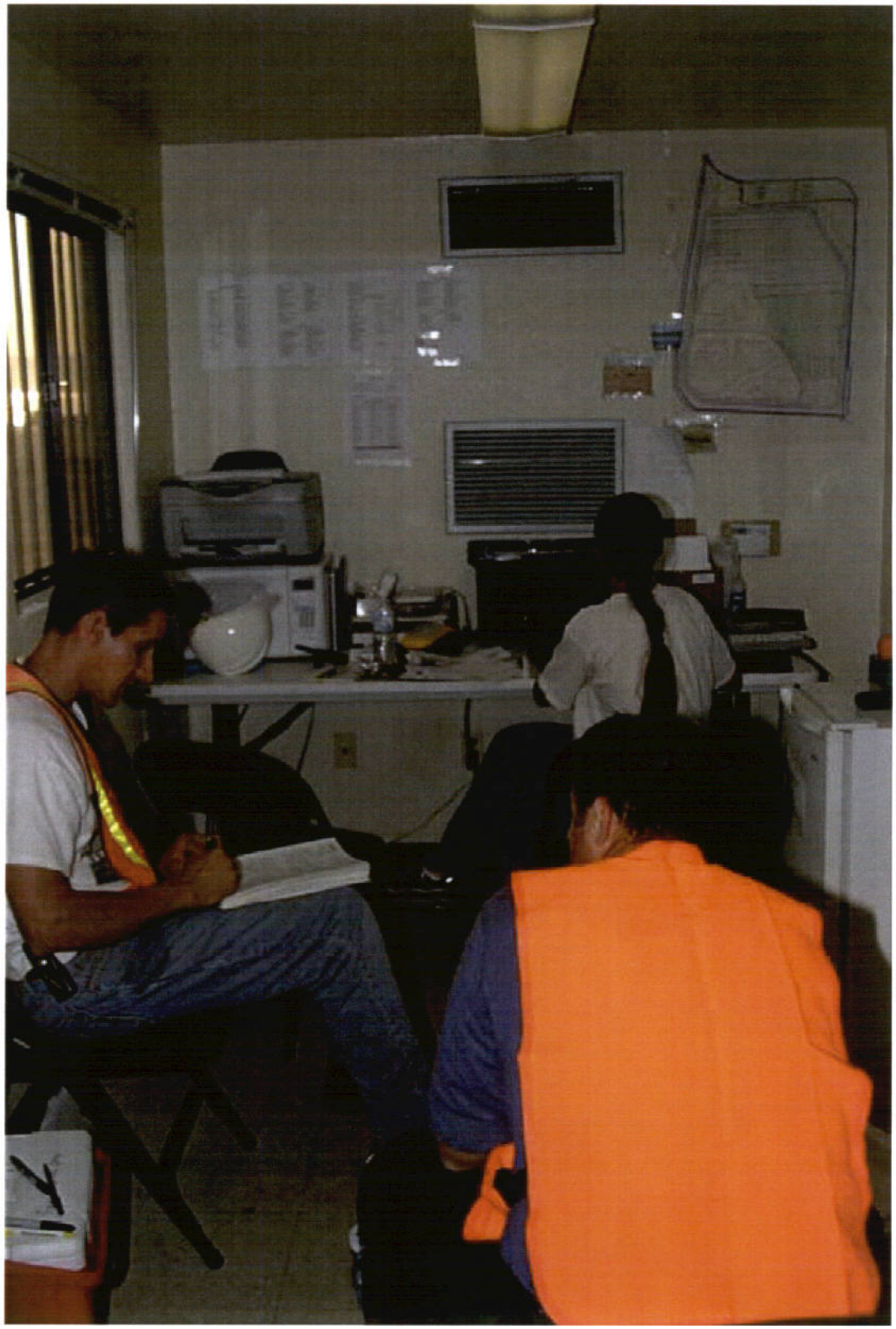
Extracting sediment core with hand winch and ladder (view from north side of North Pond)

Driving core tube into sediment (eastern portion of North Pond)

Driving core tube into sediment (eastern portion of North Pond)

Driving core tube into sediment (eastern portion of South Pond)

Processing sediment core at the onsite processing facility



Completing log sheets and entering data at the onsite processing facility

Driving Geoprobe™ rods for soil sampling (landfill area)

ATTACHMENT 3-2

WET SEASON PHOTOGRAPHS

IR SITE 2

Preparing inflatable vessel for water quality meter servicing (South Pond)

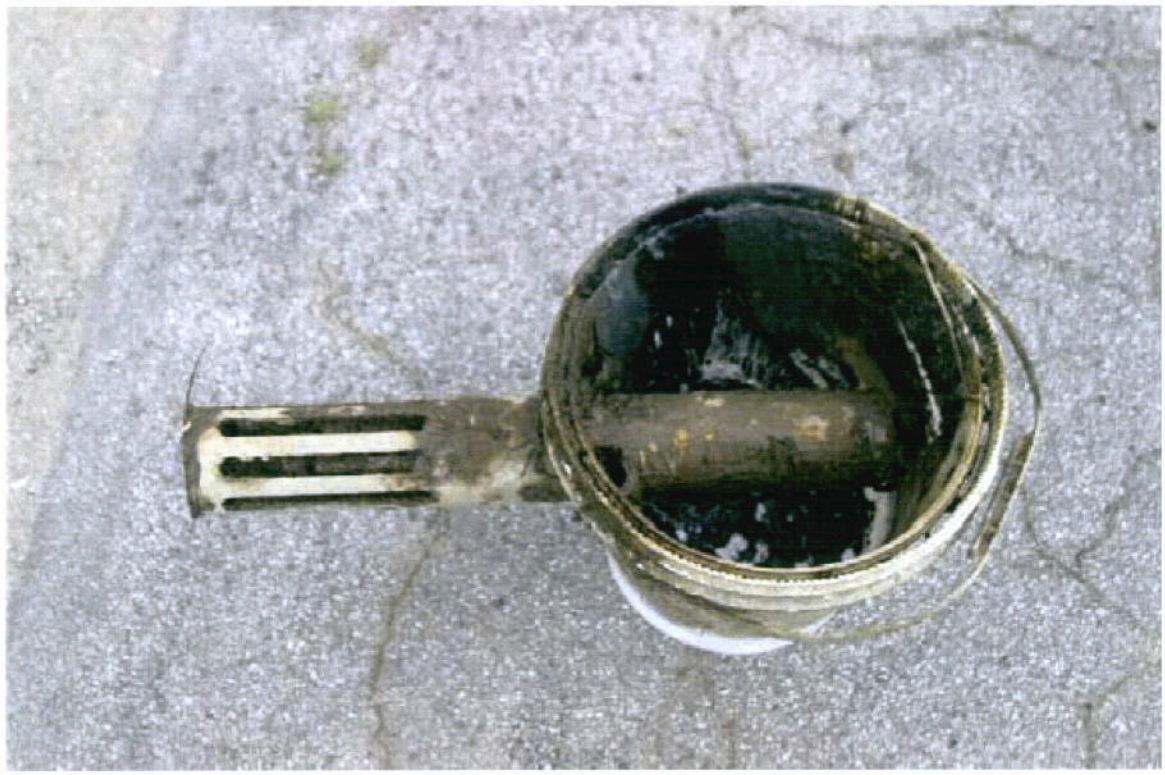
Servicing water quality meter at WQM03 (South Pond)

Water quality monitoring station WQM02 (North Pond)

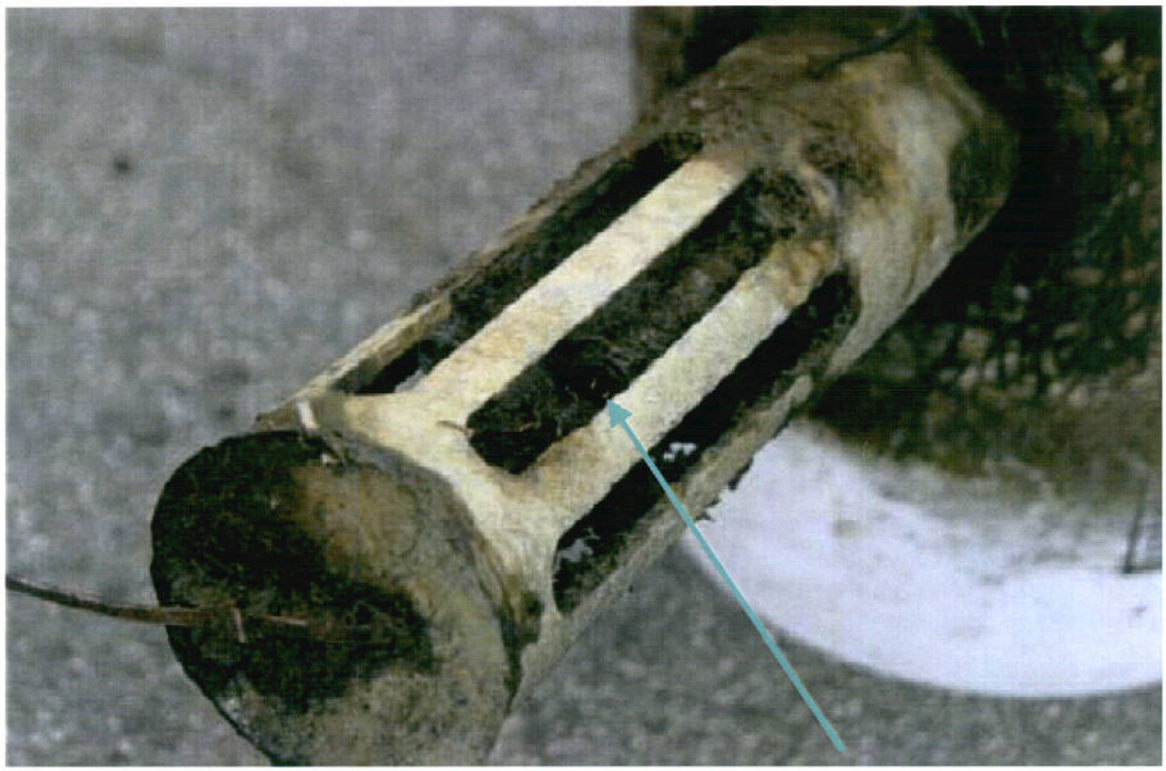
Servicing water quality meter at WQM02 (North Pond)

YSI 6600 EDS water quality meter from WQM02 prior to servicing (North Pond)

Biological fouling on YSI 6600 EDS water quality meter from WQM02 (North Pond) (Note - clean areas were wiped by intermittent rotating brush)



Weighted bucket mooring configuration for water quality meter



YSI 6600 EDS with biological and sediment fouling (Note - oxygen probe end wiped by intermittent rotating brush)

Maneuvering inflatable vessel for sediment sampling (North Pond)

Maneuvering inflatable vessel for sediment sampling (South Pond)

Setting seine for fish sampling (North Pond)

Filamentous algae in beach seine (North Pond)

Filamentous algae in beach seine (North Pond)

Plankton net towed from inflatable vessel (North Pond)

Maneuvering inflatable vessel for sediment sampling (South Pond)

Material retained on sieve during benthic biota sampling

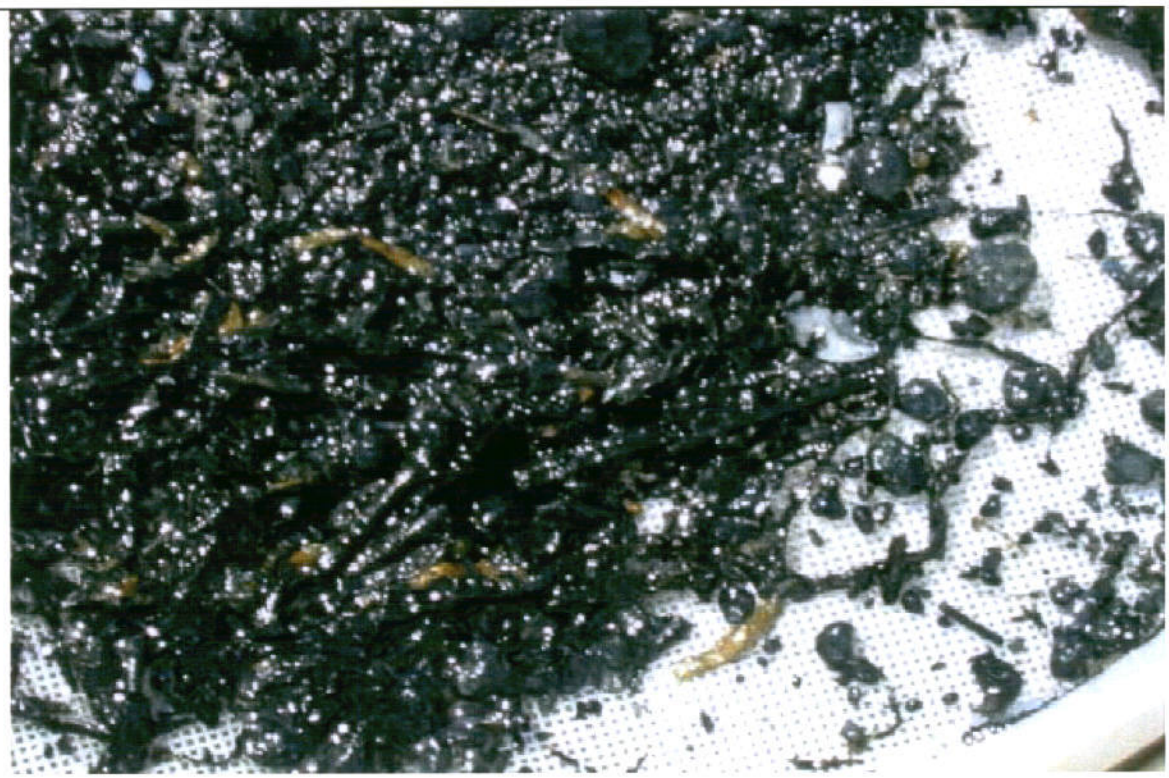
Sediment sieving process for benthic biota sampling

Sediment sieving process for benthic biota sampling

Sediment sieving process for benthic biota sampling

Sediment sieving process for benthic biota sampling

Detritus and sediment retained on sieve during benthic biota sampling



Close up of detritus and sediment retained on sieve during benthic biota sampling

Representative plant tissue sample (grass)

Representative plant tissue sample (pickleweed)

Stockpiled material excavated from landfill exploratory trench (location TRN03)

Stockpiled material excavated from landfill exploratory trench (location TRN04) (Note - majority of debris was wood)

Stockpiled material excavated from landfill exploratory trench (location TRN01) (Note - majority of debris was sheets of metal siding)

Close-up of debris at TRN05 (Note – majority of debris was plastic sheeting)

Close-up of debris at TRN03 (Note - mostly made up of plastic sheeting, cable, and rubber hose)

Trenching at location TRN03 (Note - groundwater was encountered at approximately 2.5 ft bgs)

Trench at location TRN02 (Note - groundwater was encountered at approximately 1.5 ft bgs)

Close-up of debris excavated from TRN05 (Note - mostly made up of wood, plastic, and paper)

Soil sampling along the sidewall of TRN04 using stainless steel spoon

Trenching at TRN05 (Note - debris was first encountered at approximately 3.5 ft bgs and consisted of carpeting, plastic sheeting, paper, and wood material)

Trenching at location TRN05

Soil sampling along the sidewall of TRN04 using a stainless steel spoon

Trenching at location TRN04

Trenching at location TRN04 (Note - total depth was approximately 6.5 ft bgs)

Trenching at location TRN04

Debris excavated from TRN04

Debris in TRN04

CHINA CAMP STATE PARK

Maneuvering vessel in China Camp State Park tidal channel for water and sediment sampling

Setting up sediment grab sampler in China Camp State Park tidal channel

Setting up sediment grab sampler in China Camp State Park tidal channel

Collecting sediment from pond at China Camp State Park

Collecting, homogenizing, and processing sediment from pond at China Camp State Park

ATTACHMENT 4

FIELD SAMPLING LOG SHEETS AND BORING LOGS

ATTACHMENT 4-1
Dry Season IR Site 2 Landfill Soil Logs

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC01 Date Logged: 10-20-04 Geologist: R. JANOSY Total Depth: 10 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jusso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2½" Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" PVC temp

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SM	silty SAND (fill) pale yellow 2.5Y 7/3, fine med grn w/ little gravel, damp (from rain)	10	50	40					AD = 0.0 ppm PAD = 0.4 x 0.1
			more gravel - up to 1"	20	50	30					
		SM	same, but sand is cleaner, loose, dry								
		CL	sandy CLAY, brown 7.5Y 4/3, stiff, plastic damp		10	90					
		SP	SAND, clean, salt + pepper color, med grn, moist								
5		CL	CLAY, grey, highly plastic, soft, fat, moist								
			sand CLAY grey, plastic, wet		20	80					
		SC	clayey SAND, grey, med grn, firm, wet		80	20					
		SP	SAND, grey, med grn w/ some gravel, no odor, wet	5	90	5					
			TD logged = 8'								
10			set screen 5-10'								
15											

PROFESSIONAL GEOLOGIST
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2139
Sample Description: SOC01 5-6'
Collector: RJ Date/Time: 10/20/04 0840 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle The Business of Innovation
Container 6 of ___

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2138 3-4'
Sample Description: SOC01
Collector: RJ Date/Time: 10/20/04 0805 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle The Business of Innovation
Container 5 of ___

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2137
Sample Description: SOC01 0-1'
Collector: RJ Date/Time: 10/20/04 0800 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Unit Number: NA Project Number: G601507-212 Boring Location: SOC02 Date Logged: 10.20.04 Geologist: R. Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SM	silty SAND, pale yellow, 2.5Y 7/3, med-fine grn, trace gravel, roots, loose, dry, no odor		60	40					RAD = 0.1 x 0.4 PID = 0.0
		SM	same, but strong brown 7.5Y 5/6 + damp glass debris at 4'								
▼		CH/OH	CLAY, dark grey-black, soft, highly plastic, organic-organic vapors, wet								
5											PID = 3-6 ppm
		SC	sandy CLAY, black, soft, slightly plastic, wet, organic odors, wood debris - sand is fine-med grn - oily odor.		30	70					
		SP	SAND, dark grey-black, clean, med grn, firm, wet, organic odor.		100						
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2142
Sample Description: SOC 20 5-6'
Collector: RJ Date/Time: 10/20/04 0920 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2141
Sample Description: SOC 20 3-4'
Collector: RJ Date/Time: 10/20/04 0916 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2140
Sample Description: SOC02 0-1'
Collector: RJ Date/Time: 10/20/04 0900 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 1 of 1

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC03 Date Logged: 10-21-04 Geologist: R. JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, yellow brown, fine-med grn, firm, roots, moist-wet, no odors		60	40					RAD: 0.4 x 0.1 PID = 0.0
		SC	clayey SAND, yellow brn, then turns light grey, fine-med grn, saturated, firm, no odors or debris, slightly plastic		70	30					
			same, but drk grey-black, saturated - some roots								
5		SP	SAND, drk grey, med grn, clean, firm, saturated, micaceous, no odors or debris		100						
			TD = 8'								
10											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2173

Sample Description : SOC03 0-1

Collector: RJ Date/Time: 10/21/04 0905 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2174

Sample Description : SOC03 3-4'

Collector: RJ Date/Time: 10/21/04 0910 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC04 Date Logged: 10-21-04 Geologist: R. JANOSY Total Depth: 8 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: MICRO core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: ✓ Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes ✓ No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SP	SAND, light yellowish brn 2.5Y 6/3, med grn. clean, micaceous, subrounded moist.		100						PID = 0.0 ppm RAD = 0.1x0.1
			same, but wet & light grey								
		SP	same, but broken up shell material		100						
5			same, but med-coarse grn, grey, saturated w/ shell material								
		CH	CLAY, grey, soft, highly plastic, fat, wet organic odor								
		SP	SAND, black, med-coarse grn, firm, wet, organic odor. debris-brick, wood.		90	10					
			TD = 8'								
10											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2168

Sample Description : SOC04 0-1

Collector: RJ Date/Time: 0930 10/21/04 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2169

Sample Description : SOC04 0-1' MS

Collector: RJ Date/Time: 10/21/04 0930 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOCO5 Date Logged: 10.21.04 Geologist: R. JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SP	SAND, light yellowish tan 2.5Y 6/3, med grn, clean, firm, wet at 1', no odor, micaceous		100	0					PID=0.0 RAD=0.2 x 011
			no debris								
		SP	same								
5			grey-drk grey								
		SP	same, but drk grey, saturated! no debris								
			TD=8'								
10											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2165
Sample Description: SOCO5 0-1 0816
Collector: RJ Date/Time: 10/21/04 0816 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2166
Sample Description: SOCO5 3-4
Collector: RJ Date/Time: 10/21/04 0830 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ____ of ____

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2167
Sample Description: SOCO5 7-8'
Collector: RJ Date/Time: 10/21/04 0820 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ____ of ____

____ of ____

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA
Project Number: G601507-212
Boring Location: SOC06
Date Logged: 10.20.04
Geologist: R JANOSY
Total Depth: 12'
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Ernesto Jasso
Drilling Equipment: Geoprobe
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: microcore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: __Yes X No
Backfill Method:
Monitoring Device Installed: X Yes __No
Type: 1" temp PVC screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SC	Sandy CLAY, dark yellowish brn, sand is fine to med grn, slightly plastic, damp, firm.		40	60					RAD=0.1x0.4 PID=0.1
			same, but gravel from 2-2½.								
		SP	SAND, yellowish brn, med grain, clean, pebbles, powder, wood debris, saturated, oily odor, black, glass		95	5					PID=266ppm
5		CL	silty CLAY, dark brown, plastic, soft, wet			100					
		SM	Silty SAND, dark brn-black, med-coarse grn, saturated, oily odor, black, a lot of wood debris		60	40					
		SM									
			TD logged = 8'								
			set screen 7-12'								
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2146
Sample Description: SOC06 0-1' 1430
Collector: RJ Date/Time: 10/20/04 [redacted] (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2148
Sample Description: SOC06 7-8'
Collector: RJ Date/Time: 10/20/04 1400 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 1 of 1

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC07 Date Logged: 10.20.04 Geologist: R JANOSY Total Depth: 12' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes __No Backfill Method: Monitoring Device Installed: __Yes __No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0		SP	SAND w/silt, pale yellow 2.5Y 7/3, med-fine grn, few fines, roots, damp, loose, no odors								PID=0.2ppm RAD=0.1x0.4
		SM	silty SAND but oxidized a strong brown 7.5YR 5/6 at 4, loose, med-fine grn, dry, trace debris - glass & metal								
5			very poor recovery from 4-8' - only one jar & 3 encores collected.								
			TD logged = 8' screen set from 7-12'								
10											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2143
Sample Description: SOC 07 0-4'
Collector: RJ Date/Time: 10/20/04 1115 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ___ of ___

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2145
Sample Description: SOC 07 7-8'
Collector: RJ Date/Time: 1140 11/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle
6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2144
Sample Description: SOC 07 3-4'
Collector: RJ Date/Time: 1130 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChr 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA
Project Number: G601507-212
Boring Location: SOC08
Date Logged: 10.20.04
Geologist: R JANOSY
Total Depth: 8'
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Ernesto Jasso
Drilling Equipment: Geoprobe
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: Microcore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: X Yes __ No
Backfill Method: grout
Monitoring Device Installed: __ Yes X No
Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn. loose, dry no odors								PID=0.0 RAD=0.4 x 0.1
		SP	SAND, yellowish brown, clean, med grn, firm, loose, damp. no debris		95	5					
			same, but strong brown, 7.5Y 5/6								
5		SP	debris - wiring, plastic, wet at 6', wood		100						
		SP	SAND, gray-black, clean, med grn, sub rounded, firm, saturated, no odors		100						
			TD=8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2149
Sample Description: SOC08 0-1
Collector: RJ Date/Time: 10/20/04 1500 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigat
Sample ID: DAA-2151
Sample Description: SOC08 7-8'
Collector: RJ Date/Time: 1536 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2150 1630
Sample Description: SOC 08 [redacted] 1.5-6'
Collector: RJ Date/Time: 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC09 Date Logged: 10-20-04 Geologist: R. JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe Drilling Method: Direct push Boring Diameter: 2 1/4" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: ✓ Yes __ No Backfill Method: Monitoring Device Installed: __ Yes ✗ No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow, 2.5Y 7/3, fine-med grn, loose, dry, no odor		60	40					PID=0.0 RAD=0.4x0.1
		SM	same, but cleaner, strong brown 7.5Y 5/6, minor debris - glass, wood, paper, fabric damp		75	25					
		SP	SAND, yellowish brown, clean, micaceous, damp								
5											
		SP	same, clean, micaceous, wood debris at 7'								
			TD=8'								
10											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2154
Sample Description: SOC09 7-8'
Collector: RJ Date/Time: 1555 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of ____

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2152
Sample Description: SOC09 0-1'
Collector: RJ Date/Time: 1540 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2153
Sample Description: SOC09 3-4'
Collector: RJ Date/Time: 1550 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of ____

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC10 Date Logged: 10/16/04 Geologist: R JANOSY Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MicroCore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" temp PVC screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, light brown 7.5Y 6/4 w/ little gravel up to 1/4". sand is fine-med grn, loose, dry - fill material w/ debris - plastic								RAD=0.4 x 0.1 PID=0.2 ppm
		SM	same, - wood debris - water at 3'1/2'								
		CL	sandy CLAY, brown 7.5Y 4/3, soft, very plastic, saturated, no odors, some wood								
5			Poor to no recovery - some wood debris (black)								
			TD=8'								set screen 3-8'
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2084
Sample Description: SOC10 4-5'
Collector: RJ Date/Time: 1410 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2083
Sample Description: SOC10 0-4'
Collector: RJ Date/Time: 1400 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC11 Date Logged: 10/16/04 Geologist: R JANOSY Total Depth: 12' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MicroCore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" PVC temp 5' screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	% Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Fill, dark brn gravelly SAND w/ silt	35	60	5					
		SP	SAND, med grn, clean, greenish grey, slight odor - sweet solvent, wood, damp gravel up to 1/4"	5	90	5					
		SM	silty SAND, drk brn w/ little gravel - odor of solvent 3-4' damp								
5			turns yellowish brn, dry w/ gravel	20	30	50					
		SM	no gravel, less fines, solvent odor, trace wood		60	40					10.1 ppm RAD=0.4
		SP	SAND, med grn, clean, greenish grey, slight odor solvent, turns black, then greenish grey, wet at 8'								
10		little gravel	debris - little recovery set screen 7-12'								
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2093 (HOLD)
Sample Description: SOC 11 6-7'
Collector: RQ Date/Time: 1540 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2091
Sample Description: SOC11 0-1'
Collector: RQ Date/Time: 1530 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2092 (HOLD)
Sample Description: SOC 11 3-4'
Collector: RQ Date/Time: 1535 10/16 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT Hex 1,4-Dioxane PCDD/PCDF TPH Sulfides TO Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC12 Date Logged: 10/16/04 Geologist: R JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MicroCore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Fill. silty SAND, pale yellow 2.5Y 7/3, fine med grn. gravel present up to 1/4", loose, dry no odor	10	50	40					PID = 0.0 RAD = 0.4 x 0.1
		SM	Fill - gravelly silty SAND, yellow brown, loose, dry, no odors	30	50	20					
		SP	SAND, little fines								
		GP	fill, roadbase, sandy GRAVEL up to 1/2 angular	60	30	10					
5			asphalt lense, broken up								
		SM	silty SAND as described 0-1', but no gravel		50	50					
		SP	silty SAND, almost clean, greenish grey to black, wet, firm, fine-med grn, slight odor solvent		90	10					
			TD = 8'								
10											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2096
Sample Description: SOC12 7-8'
Collector: RJ Date/Time: 1630 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2095
Sample Description: SOC12 5-6'
Collector: RJ Date/Time: 1625 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2094
Sample Description: SOC12 0-1'
Collector: RJ Date/Time: 1620 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC13 Date Logged: 10/16/04 Geologist: R JANOSY Total Depth: 10' Reviewed by:	Drilling Contractor: Precision Sampling Driller: ERNESTO JASSO Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" temp PVC 5' screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3 fine-med grn w/ some gravel, loose, dry, no odor	15	60	25					PID= RAD= 0.4 x 0.1
		X	poor recovery								
		SM	silty sand, oxidized strong brown 7.5Y 5/6 fine grn, loose, dry, no odors, debris - wood, fabric at 4'								
5		SP	SAND, dark green grey to black, clean, fine-med grn, moist, firm, solvent-sweet odor		90	10					
			debris of glass & wood								core for ~~PCDD/PCDF~~
		SP	same, but fine-very fine grn, relatively clean		90	10					core for ~~PCDD/PCDF~~
		No recov.	screen set from 5-10' * poor recovery on subsequent pushes to obtain alternate core for PCDD/PCDF								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2097
Sample Description: SOC 13 0-1'
Collector: RJ Date/Time: 1700 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA
Project Number: G601507-212
Boring Location: SOC14
Date Logged: 10/16/04
Geologist: R JANOSY
Total Depth: 8
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Ernesto Jasso
Drilling Equipment: Geoprobe 5400
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: microcore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: X Yes __ No
Backfill Method: grout
Monitoring Device Installed: __ Yes X No
Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND (fill), light brown grey 2.5Y 6/2, loose, some gravel up to 1", dry, no odor		60	40					RAD=0.4
			SAND, clean, light brn grey, dry, micaceous		100						
		SP	same, but debris - plastic, rubber								
		SM	some gravel. at 4' wood w/ creosote odor, wet								PID=30 ppm
5			Poor - no recovery from 4-8'								
			TD=8'								
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2080
Sample Description: SOC 14 0-1' MS
Collector: RJ Date/Time: 1202 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2081
Sample Description: SOC 14 0-1' MSD
Collector: RJ Date/Time: 1202 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2082
Sample Description: SOC 14 3-4'
Collector: RJ Date/Time: 1227 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2079
Sample Description: SOC 14 0-1'
Collector: RJ Date/Time: 1202 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC15 Date Logged: 10/16/04 Geologist: R. JANOSY Total Depth: 11 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: temp 1" PVC screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND w/ Gravel - (ROAD BASE), light grey GLEY 7/1, loose, sand is fine, dry, no odor	10	50	40					RO = 0.3 x 0.1 PID = 0.0
		SM	same, but light brn 7.5YR 6/4 w/ little gravel, fine-med grn, loose, dry (FILL)	20	40	40					core for PFAS
		SM	same, but oxizided red - debris - plastic, paper, wood								
5		CL	sandy CLAY, vry dark grey GLEY 3/1, sand is med-fine grn, soft, plastic, wet								core for PFAS
		DEBRIS/NO REC.	wood debris, black - no or little recovery (wood) 6/2-8								
			Screen 6-11'								
10											
			TD = 11'								
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2087
Sample Descripion: SOC 15 5-6'
Collector: RJ Date/Time: 1435 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2086
Sample Descripion: SO15 3-4'
Collector: RJ Date/Time: 1430 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alam
Sample ID: DAA-2085
Sample Descripion: SOC 15 0-1'
Collector: RJ Date/Time: 1425 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Unit Number: NA Project Number: G601507-212 Boring Location: SOC16 Date Logged: 10/18/04 Geologist: R JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MICROCORE Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3 red-fine grn, loose, dry, no odors, trace pebbles		60	40					PID = 0.0 ppm RAD = a 4 x a 1
			changes to a strong brn 7.5Y 5/6,								
		SM	same, but some glass wood debris, no odors								
5			poor recovery from 4-8' - wood debris at 4' prevents full recovery.								
		SM	Same, sand gets a little cleaner, grey at 6 1/2-7 ft & Black from 7-8ft, saturated.								
			TD = 8'								
10											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2103
Sample Description : SOC 16 3-4'
Collector: RJ Date/Time: 0820 10/18/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2102
Sample Description : SOC16 0-1'
Collector: RJ Date/Time: 0845 10/18/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2101
Sample Description : SOC 16 0-1' Dup
Collector: RJ Date/Time: 10/18/04 0845 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC17 Date Logged: 10/16/04 Geologist: R. Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Susso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" PVC temp screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (PPM)	Comments
0		SM	silty SAND, light brown grey 2.5Y 6/2, fine grain, loose, dry, no odors	60	40						PID = 0.1 RAD = 0.4 x 0.1
			same, but oxidized at 3', wood debris, rubber								
		SM									screen 3-8'
5		SC	clayey SAND, reddish orange (oxidized)	40	30						collected core PCDD/PCDF 4-5
			saturated, black, poor recover 6-8' - very little due to debris (wood)								
			TD = 8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2078
Sample Description: SOC 17 4-5'
Collector: RJ Date/Time: 10/16/04 1134 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2077
Sample Description: SOC 17 0-1' (HOLD)
Collector: RJ Date/Time: 10/16/04 1127 (Local Time)
Matrix: SOIL
Analysis: ~~VOCs SVOCs~~ Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

ermit Number: NA
roject Number: G601507-212
Boring Location: SOC18
Date Logged: 10/16/04
Geologist: R JANOSY
Total Depth: 8
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Ernesto Jasso
Drilling Equipment: Geoprobe 5400
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: MicroCore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: X Yes __ No
Backfill Method:
Monitoring Device Installed: __ Yes X No
Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	% Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Fill - silty SAND, pale yellow 2.5Y 7/3 fine-med grn, gravel up to 1/4"	10	50	40					PID = 0.0 ppm RAD = 0.4x0.
		SM	Fill same, but more gravel & larger, angular up to 1/2" - yellowish brn, dry, no odor	30	30	40					
			same, but white-grey odor at 4', damp								
5		CL	sandy CLAY, brown 7.5Y 4/3, firm, plastic, wet, no odors								
			little or no recovery from 5 1/2 - 8'								
		No REC									
			TD=8'								
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2089
Sample Description: SOC 18 3-4'
Collector: RJ Date/Time: 1518 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2090
Sample Description: SOC18 5-6'
Collector: RJ Date/Time: 1520 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2088
Sample Description: SOC 18 0-1'
Collector: RJ Date/Time: 1510 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC19 Date Logged: 10/19/04 Geologist: R Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, med-fine grn, loose, debris wood, glass, little gravel	5	55	40					PID = 0.0 RAD = 0.4
		SM	same, but strong brown 7.5YR 5/6, w/ wood debris, little glass, + a white powder at bottom of core, + black carbon core								
5			getting poor recovery from 4-8'								
		SM	same, but grey, trace gravel, wood debris up to 1", turns black a wet at 7'								
		CL	sandy CLAY, dark grey-black, sand is med grn, plastic, stiff		20	80					
			TD=8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2105

Sample Description : SOC19 6-1

Collector: RJ Date/Time: 10/19/04 0900 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2106

Sample Description : SOC19 3-4'

Collector: RJ Date/Time: 10/19/04 0905 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC20 Date Logged: 10/18/04 Geologist: R JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, trace pebbles, loose, dry, no odors		60	40					PID = 0.0 ppm RAD = 0.4 x a1
		SM	same, but strong brown 7.5Y 5/6, fine-med grn, trace pebbles, fine-med grn, some glass, rubber, asphalt debris		60	40					
5		SM	same, paper, plastic, brick debris								
		CL	sand CLAY, grey to black, plastic, soft, sand is med grn, saturated, organic odor wood debris TD = 8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2111

Sample Description: SOC 20 7-8'

Collector: RJ Date/Time: 1000 10/18/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2110

Sample Description: SOC 20 3-4'

Collector: RJ Date/Time: 0955 10/18 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC21 Date Logged: 10/16/04 Geologist: R Janosy Total Depth: 4' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	CLAY, greyish brn 2.5Y 5/2 firm-stiff, lean, plastic, moist, no odors			100					RAD = 0.0 x on PID = 0.0 ppm
		CL	becomes sandy, wood, paper debris		30	70					
			same, but black, organic, saturated								
			TD = 4'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2076
Sample Description: SOC21 23'
Collector: RJ Date/Time: 1056 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2075
Sample Description: SOC21 0-1' Dup
Collector: RJ Date/Time: 1057 10/16/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2074
Sample Description: SOC21 0-1
Collector: RJ Date/Time: 10/16/04 1047 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC22 Date Logged: 10/15/04 Geologist: R. Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Eugene Drilling Equipment: Geoprobe XD-1 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" PVC temp screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SM	silty SAND (fill) olive light brown 2.5Y 5/6, fine-med grn w/ some gravel up to 1/2", loose, dry, no odors								RAD = 0.4 x 0.1 PID = 0.1 ppm
		SM	same, but oxidized orange at 4', plastic, wood.								
5			same, but more larger chunks of debris wood, brkn glass, plastic								3.3 PID
			odor of solvent in saturated debris at 5-6' creosote odor (wood)								
		SC	clayey SAND, drk grey/black, sand is med grn, slightly plastic/wet TD = 8'		70	30					
			set screen 3-8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2067
Sample Description: SOC22 5-6'
Collector: RJ Date/Time: 10/15/04 1415 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2066
Sample Description: SOC22 0-1
Collector: RJ Date/Time: 10/15/04 1358 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA	Drilling Contractor: Precision Sampling	Northing (NAD 27):
Project Number: G601507-212	Driller: Ernesto Jasso	Easting (NAD 27):
Boring Location: SOC23	Drilling Equipment: Geoprobe 5400	Surface Elevation (NAVD 88):
Date Logged: 10.18.04	Drilling Method: Direct push	Borehole Abandoned: X Yes __ No
Geologist: R Janosy	Boring Diameter: 2 1/2"	Backfill Method: grout
Total Depth: 8	Sampler Type: micro core	Monitoring Device Installed: __ Yes X No
Reviewed by:	Hammer Type: NA	Type:

2
2
3
co

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SM ASP.	silty SAND, pale yellow, loose, dry w/ gravel, no odor old broken asphalt	10	50	40					PID=0.0 ppm Rad=0.4x0.1 no core
		SM	same, but yellow orange, sand is med-fine grn w/ little debris		60	40					
			Same								core
			broken asphalt								
			same, - old broken pieces of asphalt? oil odor, damp-dry								
5											
		SC	clayey sand, grey to black, almost clean, med grain - damp - moist, organic odor, firm		90	10					
			wood-paper debris 6'12-7'								core
			TD=8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2116
Sample Description : SOC 23 0-1'
Collector: RJ Date/Time: 10/18/04 1400 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Container 5 of ____

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2117
Sample Description : SOC 23 3-4'
Collector: RJ Date/Time: 1405 10/18/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Container 6 of ____

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOCZ4 Date Logged: 10/18/04 Geologist: R JANOSY Total Depth: 12' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: temp 1" PVC screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn w/ little pebbles, loose, dry, no odors	10	50	40					PID = 0.0 ppm RAD = 0.4 kcd
			concrete debris - makes pushing difficult								
		SM	same, but cleaner sand, med grn, some glass debris, dry, loose, no odors		75	25					
5			poor to little recovery								
		CL	sandy CLAY grey to black, plastic, sand is fine to med grain, soft, moist-wet, organic odor, wood debis at 8'								→ only core for PFAS collected
			T.D. logged = 9'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2112
Sample Descripion : SOC24 0-1'
Collector: RJ Date/Time: 10/18/04 1040 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2113
Sample Descripion : SOC24 3-4'
Collector: RJ Date/Time: 10/18/04 1045 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 25 Date Logged: 10.18.04 Geologist: R Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 4500 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Devide Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3 fine-med grn, loose, dry		60	40					RAD = 0.4 x 0.1 PID = 0.2 ppm
		SM	same, but some plastic debris								
		CL	same, but cleaner, less fines, + sandy; med sandy clay - strong brown 7.5Y 5/6, slightly plastic fines to highly plastic clay dark grey, soft		75	25					
5			no recovery								
			wood debris, black, up to 1 1/2"								
		SC	clayey SAND, black, med grn, almost clean, firm, moist → wet at 7 1/2' w/ wood debris, organic odor - creosote obvious		90	10					
			TD = 8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2122
Sample Description: SOC 25 3-4'
Collector: RJ Date/Time: 1450 10/18/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2121 0-1'
Sample Description: SOC 25
Collector: RJ Date/Time: 10/18/04 1445 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC26 Date Logged: 10/18/04 Geologist: RJANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jusso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, loose, dry, no odors		60	40					PID=0.4x0.1 PID=0.1 ppm
			same, but oxidized strong brown 7.5Y 5/6 w/glass, plastic debris								
			sand gets cleaner - less fines + is med grn		75	25					
5			silty sand, pale yellow 2.5Y 7/3 fine-med grn, loose, dry, no odors, little debris								
		CL	sandy CLAY, dark grey, slightly plastic, sand is fine-med grn, firm		30	70					
		SC	clayey SAND, black, sand is med grn, damp, firm		60	40					
			TD=8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2124

Sample Descripion : SOC 26 04'

Collector: RJ Date/Time: 1125 10/18/04 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container 6 of ____

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2125

Sample Descripion : DAA-SOI-SOC26-1-3-4

Collector: RJ Date/Time: 10/18/04 1130 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container ____ of ____

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC27 Date Logged: 10/18/04 Geologist: R JANOSY Total Depth: 12 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MICROCORE Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" PVC temp screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3 fine-med grn, loose, dry, no odors								PID = 0.6 RAD = 0.5 x 0.1
		SM	some, but oxidized strong brown 7.5Y 5/6 w/ glass, rubber, wood debris, dry, loose, no odors								collected 4 jars here for physical param, instead of 7-8
5		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, loose, dry, no odors.								Poor recovery on 3 subsequ. pushes to obtain more volume
		CL	sandy CLAY, grey-black, firm, slightly plastic, sand is fine-med grn, black wood debris last 6" - organic odors								
			TD logged = 8' set screen from 7-12'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2120
Sample Description : SOC 27 7-8'
Collector: RJ Date/Time: 1310 10/18/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Container 5 of ____

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2118
Sample Description : SOC 27 0-1'
Collector: RJ Date/Time: 10/18/04 1300 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC28 Date Logged: 10.21.04 Geologist: R. JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND (fill) pale yellow 2.5Y 7/3 w/ gravel, fine-med grn.	10	50	40					PID=0.1 RAD=0.2x0.1
		SP	SAND, light yellowish brn 2.5Y 6/3, fine-med grn, little fines, some plastic + fabric debris at 2-3, moist, firm		90	10					
			clean sand		100						moved loc. to SOC28a
		SM	silty SAND, drk brn/black, fine-med grn loose, debris (wood, paper, plastic), damp								
5		SP	SAND, light yellowish brn, med grn, clean, firm moist, no debris - changes to grey								
		SM	silty SAND, drk brn/black, med-fine grn w/ mostly debris - wood, paper + white crystalline material, wet		80	20					
			TD=8'								
10											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2194
Sample Description: SOC 28 0-1'
Collector: RJ Date/Time: 10/21/04 1305 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ___ of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2195
Sample Description: SOC 28 3-4'
Collector: RJ Date/Time: 10/21/04 1310 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC29 Date Logged: 10/15/04 Geologist: R. Janosy Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: Eugene Drilling Equipment: ~~Geoprobe~~ XD-1 Drilling Method: Direct push Boring Diameter: Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		CL	CLAY, greyish brown 2.5Y 5/2, firm, mod, slightly plastic, dry, no odors, roots								RAD = 1.0 x 0.5 PID = 0.0 ppm
		SM	silty SAND, light brownish grey 2.5Y 6/2, fine grn, loose, dry, no odors		75	25					
		CL	(as above)								
5		SM	silty sand, light brownish grey fine-med grn. w/ some debris - plastic, glass								
		CL	CLAY - greyish brown 2.5Y 5/2, firm, plastic, damp, no odors								
		CH	CLAY, black, highly plastic, soft-firm, moist, no odors								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2 0 60

Sample Description : SOC29 0-1'

Collector: RJ Date/Time: 1022 10/15/04 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 30 Date Logged: 10-18-04 Geologist: R Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (PPM)	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, loose, dry, no odors, roots, trace pebbles		60	40					RAD = 0.4 x Cs1 PID = 0.4 ppm
		SM	same, but turns strong brn 7.5Y 5/6, becomes coarser, less fines - some wood debris white crystalline powder at 3 ft		70	30					
		CL	silty CLAY, black, slightly plastic stiff, dense, organic odors								
5		SM	silty SAND, pale yellow - fine-med grn, loose, dry, no odors								
		SC	sandy CLAY, black dense, slightly plastic, wood & plastic debris		30	70					
		X	debris - wood, plastic, paper - black, moist-wet								
			TD = 8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2129
Sample Description : SOC 30 6-7'
Collector: RJ Date/Time: 1530 10/18/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2127
Sample Description : SOC 30 0-1'
Collector: RJ Date/Time: 1620 10/18/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 31 Date Logged: 10/18/04 Geologist: R Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, loose, dry, no odor, roots		60	40					PID=0.2 ppm PAD=0.4 x 0.1
		SM	Same, but is oxidized a strong brown 7.5Y 5/6, cleaner sand, (less fines), debris of glass, plastic, wood, dry, loose, no odors		75	25					Dup
5		SM	silty SAND, pale yellow, 2.5 7/3, fine-med, loose, dry, no odor, trace glass debris + white crystalline powder.		60	40					MS/MSD
		SP	SAND, light olive brn. 2.5Y 5/6, clean, med grn, firm, moist - no debris - dark grey at bottom - wet TD = 8'		95	5					
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2131
Sample Description: SOC 31 3-4'
Collector: RJ Date/Time: 1605 10/18/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2130
Sample Description: SOC 31 0-1'
Collector: RJ Date/Time: 1600 10/18/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA	Drilling Contractor: Precision Sampling	Northing (NAD 27):
Project Number: G601507-212	Driller: Ernesto Jasso	Easting (NAD 27):
Boring Location: SOC32	Drilling Equipment: Geoprobe 5400	Surface Elevation (NAVD 88):
Date Logged: 10.21.04	Drilling Method: Direct push	Borehole Abandoned: X Yes __No
Geologist: R. JANOSY	Boring Diameter: 2 1/2"	Backfill Method: grout
Total Depth: 8'	Sampler Type: microcore	Monitoring Device Installed: __Yes X No
Reviewed by:	Hammer Type: NA	Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, damp, firm w/ roots		60	40					RAD=0.1x0.1 PID=0.2ppm
		SC	clayey SAND, oxidized strong brown 7.5Y 5/6, w/ some gravel - debris at 3' glass, plastic	5	75	20					
		CL	CLAY, black, firm-stiff, plastic, damp, no odor.		5	95					
			gets sandy at 5'		15	85					
5		SC	clayey SAND, black, firm, slightly plastic w/ debris - plastic, wood, rubber		80	20					
			same - little soil - mostly debris, moist								
			TD=8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2182
Sample Descripion : SOC 32 0-1'
Collector: RJ Date/Time: 10/21/04 1515 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2183
Sample Descripion : DAA-SOI-SOC32-1-3-4
Collector: RJ Date/Time: 10/21/04 1520 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC33 Date Logged: 10.21.04 Geologist: R. JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2'1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, trace pebbles, loose, dry	5	55	40					PAD=0.2x0.1 PID=0.0
			same, but more sand, med grn, cleaner, loose, damp		70	30					
		SM	debris - plastic, glass, wood, paper in oxidiz zone a strong brn color.								
		SP	SAND, light yellow brn 2.5Y 6/3, med grn, clean, damp-moist, firm, micaceous		100						
5			NO DEBRIS - just clean sand.								
		SP	same, clean sand - drk gey at 7'1/2		100						
			TD = 8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2186
Sample Description: SOC 33 0-1'
Collector: RJ Date/Time: 10/21/04 1435 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2189
Sample Description: SOC 33 3-4'
Collector: RJ Date/Time: 10/21/04 1440 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

ermit Number: NA roject Number: G601507-212 Boring Location: SOC34 Date Logged: 10-21-04 Geologist: R JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2½" Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Si Hy SAND, pale yellow 2.5Y 7/3 fine-med grn, loose, damp, no odor, roots		60	40					RAD=0.2+0.1 PID=0.1ppm
			same, but fine grn - no debris		80	20					
		SC	sandy CLAY, brown, plastic, firm-stiff, damp.		20	80					
		CL	CLAY, brown, plastic, stiff, damp, no odor		10	90					
		SP	SAND, strong brown 7.5YR 5/6, fine grn, loose, damp, no odor, debris, clean		90	10					
5		SP	Same, clean, fine grn, loose, damp		95	5					
		SP	same, but drk grey to black. debris - wood, black, moist-wet		95	5					
			TD=8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2191
Sample Description: SOC 34 6-1'
Collector: RJ Date/Time: 10/21/04 1410 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2192
Sample Description: SOC 3-4'
Collector: RJ Date/Time: 10/21/04 1410 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 35 Date Logged: 10/21-04 Geologist: R JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SM	silty SAND pale yellow 2.5Y 7/3, fine-med grn, firm, damp, roots. no odors								KAD=0.2x0.1 PID=0.1 ppm
		SM	same, but oxidized a strong brown 7.5YR 5/6, some wood debris								
5		SM	same, but most of 4-8 interval is wood debris w/ creosote odor + hardly any soil- poor recovery								
10		CH	CLAY, dark grey-black, fat, very stiff, highly plastic, damp, no odor, wood debris 7 1/2-8'								
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2185
Sample Description : SOC 35 0-1'
Collector: RJ Date/Time: 10/21/04 1055 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2186
Sample Description : SOC 35 3-4'
Collector: RJ Date/Time: 10/21/04 1600 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

rmit Number: NA
bject Number: G601507-212
Boring Location: SOC 36
Date Logged: 10.20.04
Geologist: R JANOSY
Total Depth: 12'
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Ernesto Jasso
Drilling Equipment: Geoprobe 5400
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: microcore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: __Yes X No
Backfill Method:
Monitoring Device Installed: X Yes __No
Type: 1" PVC temp well

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, med-fine grn, loose, dry, no odor, gravel	10	50	40					RAD = 0.4 x 0.1 PID = 0.1 ppm
			same, but yellow brn, little cleaner	10	60	30					
		SP	SAND, yellow brn, clean, loose, damp, no odors. - little debris - plastic, wood.		95	5					refusal at 4' - hitting concrete - move 3' due west
5		SM	silty sand yellow brn, loose, med-fine grn, dry								
		X	concrete								
		SP	SAND, yellow brn, clean, firm, moist, micaceous, no debris.								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2160
Sample Description: SOC 36 7-8'
Collector: RG Date/Time: 1715 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle
Container ___ of ___
6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2159
Sample Description: SOC 36 3-4'
Collector: RG Date/Time: 1705 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle
Container 1 of 1

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2158
Sample Description: SOC 36 0-1'
Collector: RG Date/Time: 1700 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle
Container ___ of ___
5

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC37 Date Logged: 10.20.04 Geologist: R. JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow 2.5Y 7/3, fine-med grn, loose, dry, roots, no odor		60	40					RAD = 0.4 x a1 PID = 0.2 ppm
			same, but debris, rubber, paper								
		SC	clayey SAND, yellow brown, slightly plastic, firm, damp, no odors, fine-med grn		60	40					
		SP	SAND, light grey, clean, med grn, firm, black at 4'								
5											
		SP	same, but drk grey w/ a lot of wood debris up to 2"		100						
		SC	clayey SAND, drk grey-black, loose, med grn, wood debris, moist fabric, glass, plastic, wiring, slight odor of oil		70	30					
10											

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No. 7346
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2163
Sample Description: SOC37 3-4' Dup
Collector: RJ Date/Time: 1805 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ____ of ____

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2162
Sample Description: SOC37 3-4
Collector: RJ Date/Time: 1805 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2161
Sample Description: SOC37 0-1'
Collector: RJ Date/Time: 1748 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ____ of ____

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 38 Date Logged: 10.21.04 Geologist: R. Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, yellowish brn, fine grn, firm, root-intruded, wet		60	40					PID = 0.0 ppm RAD = 0.2 x 0.1
		SC	sandy CLAY, grey, plastic, stiff, moist								
		X	gravelly debris - some asphalt & concrete, broken up								
		SM	silty SAND, yellowish brn, fine grn, loose, dry, gravel - little plastic & wood debris								
		X	broken concrete - poor recovery								
5											
		SC	sandy CLAY, stiff, plastic, green grey, moist - sand is fine-very fine grn		15	85					
			wet at ~ 8'								
			TD = 8'								
10											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2 2179
Sample Description: SOC 38 0-1'
Collector: RJ Date/Time: 10/21/04 1620 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of ____

Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2 2180
Sample Description: SOC 38 2-3'
Collector: RJ Date/Time: 10/21/04 1125 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of ____

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC39 Date Logged: 10-21-04 Geologist: R JANOSY Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 5400 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0			silty SAND, light yellowish brn 2.5Y 6/3 fine-med grn w/ little gravel, firm, damp, no odors	5	55	40					RAD = 0.1 x 0.4 PID = 0.2 ppm
		SM	same, but light grey, more angular gravel	10	50	40					
			concrete + wood debris								
			debris - poor recovery								
5											
		CL	sandy CLAY, black, firm, plastic - sand fine-med grn, cardboard + plastic debris oily?, moist - solvent odor		80	20					
			drk reddish staining								
			TD = 8'								
10											
15											

PROFESSIONAL GEOLOGIST
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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2176

Sample Descripion : SOC039 0-1'

Collector: RJ Date/Time: 10/21/04 1030 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container ____ of 6

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2177

Sample Descripion : SOC39 6-6'

Collector: RJ Date/Time: 10/21/04 1035 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container ____ of 6

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC40 Date Logged: 10.20.04 Geologist: R. JANOSY Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes ✓No Backfill Method: Monitoring Device Installed: ✓Yes __No Type: 1" temp screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, pale yellow, 2.5Y 7/3, med-fine grn, loose, roots, damp, no odor								PID = 0.4 ppm PID = 0.3 ppm
		CL	sandy CLAY, brown, 7.5Y 4/3, firm, slightly plastic, sand is med-fine grn.								
			debris - plastic foam								
		SP	SAND, clean, yellowish brn, med grn, damp								
5		SC	clayey SAND, black, wet, slightly plastic, firm, organic odor.	65	35						
		SP	SAND, clean, black, wet w/ debris of paper, wood, organic odor	90	10						screen set 5-12'
		SP	same, but more fines, paper, metal wire, wet	85	15						
10		SP	SAND, black, clean, wet	100							
			TD = 12'								

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2157
Sample Description: SOC 40 5-6'
Collector: RJ Date/Time: 1630 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container ___ of ___

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2155
Sample Description: SOC40 0-1'
Collector: RJ Date/Time: 10/20/04 1620 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL

Alameda IR Site 2 Remedial Inves
Sample ID: DAA-2156
Sample Description: SOC 40 3-4'
Collector: RJ Date/Time: 1625 10/20/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL

ATTACHMENT 4-2
Dry Season IR Site 2 Landfill Groundwater Purge Logs

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP 01	Date: 10/20/04	Project No.: G601507	Recorder: John Hardin	Page 1 of 1

Equipment:
- HORIBA U 10 ☐ S/N:
- HORIBA U22 ☐ S/N: YSI 556a EDS 04F10837 AB
- FID/PHOTO VAC ☐
- ORION 290A ☐
- INTERFACE PROBE ☐
- OVA 128 ☐
- HORIBA ORP ☐
- WATER LEVEL ☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 9.8'
Static Water Level: 5.8' Depth to Product:
Water Column: Product Layer:
Well Casing Diameter: 2" w/ 1/2" PVC
Borehole Diameter: Multiplier:
Low Flow Method ☐
Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐
Pump Rate: 2600 ml/min
Purge Start Time: 1259 HRS Complete @ 1427
Purge Stop Time: 1302 HRS
Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ Water Clears up / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ ‰	ORP (mV) +/- 20	Comments: Duplicate samples collected
1315			7.57	1.6				0.8		DAA-4029 UNFiltered
										DAA-4030 Filtered
1345			7.37	1.1				0.6		DAA-4031 Dup-Unfiltered
										DAA-4032 Dup Filtered
										Chemical/Hydrocarbon odor
										Strong- VOA's offgass c/HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature: John Hardin

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP02	Date: 10/21/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ Y5176600E05
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth:	7.8'		
Static Water Level:	2.8'	Depth to Product:	
Water Column:		Product Layer:	
Well Casing Diameter:	2" w/ 1/2" PVC pipe		
Borehole Diameter:	--	Multiplier:	
Low Flow Method	☐		
Minimal Purge Sampling	☐		

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ≈ 600 ml/min
Purge Start Time: 0850 HRS Complete 0930
Purge Stop Time: 0853 HRS
Total volume Purged: ≈ 2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clear / Tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) +/- 0/00	ORP (mV) +/- 20	Comments
0855			6.67	5.9				3.2		DAA-4037 UNFILTERED
										DAA-4038 FILTERED
										Chemical / Hydrocarbon odor
										strong - VOA's offgass w/HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP03	Date: 10/21/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐	YSI 6600 EDS
S/N:		S/N:	04F10837 AB
PID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 11.7'
Static Water Level: 5.3' Depth to Product:
Water Column: Product Layer:
Well Casing Diameter: ≈2" w/ 1/2" PVC PIPE
Borehole Diameter: Multiplier:
Low Flow Method ☐
Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐
Liquid Ring ☐ Bladder Pump ☐
Pump Rate: ≈600 ml/min
Purge Start Time: 0940 HRS Complete @ 1015
Purge Stop Time: 0942 HRS
Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ Water clear / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%/‰) - ‰	ORP (mV) +/- 20	Comments
1010			6.71	11.4				6.5		DAA-4039 UNFILTERED
										DAA-4040 FILTERED
										chemical / Hydrocarbon odor
										strong — VOA's offgassing from
										HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature [signature]

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP04	Date: 10/18/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐	YSI 6600EDS
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 8'

Static Water Level: 2.9' Depth to Product:

Water Column: Product Layer:

Well Casing Diameter: ≈2" w/ 1/2" PVC pipe

Borehole Diameter: Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐
Liquid Ring ☐ Bladder Pump ☐

Pump Rate: 600 ml/min

Purge Start Time: 1445 HRS 1525

Purge Stop Time: 1448 HRS

Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ ‰ -	ORP (mV) +/- 20	Comments
1505			6.8	5.7				3.1		Slight organic odor, possible hydrocarbons
										water EFFERVESCES w/ HCl
										DAA 4019 - UNFILTERED
										DAA 4020 - FILTERED
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature [signature]

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HVP05	Date: 10/18/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ YSI 6600 EDS
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 12'
Static Water Level: 4.5 Depth to Product:
Water Column: Product Layer:
Well Casing Diameter: 2" w/ 1/2" PVC pipe
Borehole Diameter: Multiplier:
Low Flow Method ☐
Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐
Pump Rate: ≈ 600 ml/min
Purge Start Time: 1530 HRS 1610 complete
Purge Stop Time: 1532 HRS
Total volume Purged: ≈2 L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ ‰	ORP (mV) +/- 20	Comments
1550			6.7	5.7				3.1		DAA-4009 unfiltered
										DAA-4010 Filtered
										Chem/Hydrocarbon odor strong
										VOA's offgass w/HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature [signature]

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP06	Date: 10/18/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ YS1660 EDS
S/N:		S/N:	04K10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 7.8'
Static Water Level: 6'
Depth to Product:
Water Column:
Product Layer:
Well Casing Diameter: 2" w/ 1/2" PVC pipe
Borehole Diameter:
Multiplier:
Low Flow Method ☐
Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐
Liquid Ring ☐ Bladder Pump ☐
Pump Rate: ≈600 ml/min
Purge Start Time: 1615 HRS 1715 complete
Purge Stop Time: 1618 HRS
Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up / tubing cut short

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ ‰	ORP (mV) +/- 20	Comments
1635			6.9	3.8				2.0		Chemical / Hydrocarbon odor
										– VOA's offgass w/HCl
										DAA-4007 UNFILTERED
										DAA-4008 FILTERED
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature [signature]

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP07	Date: 10/20/04	Project No.: G601507	Recorder: Hurdin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ YSI 6600 EDS
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 10.5	
Static Water Level: 4.8	Depth to Product:
Water Column:	Product Layer:
Well Casing Diameter: ~2" w/ 1/2" PVC pipe	
Borehole Diameter:	Multiplier:
Low Flow Method ☐	
Minimal Purge Sampling ☐	

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ≈ 600 ml/min

Purge Start Time: 0810 HRS 0833 complete

Purge Stop Time: 0813 HRS

Total volume Purged: ~2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up/tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ ‰	ORP (mV) +/- 20	Comments
0820			6.72	6.4				3.5		DAA-4021 Unfiltered
										DAA-4022 Filtered
										chemical/Hydrocarbon odor strong
										VOA's offgass from HCl and water
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature John Hardin

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP08	Date: 10/28/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐	YSI 6600 EDS
S/N:		S/N:	04F10837AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 9.1'

Static Water Level: 3.5' Depth to Product:

Water Column: Product Layer:

Well Casing Diameter: ≈2" w/ 1/2" PVC

Borehole Diameter: Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐
Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ≈600 ml/min

Purge Start Time: 0840 HRS complete @ 0915

Purge Stop Time: 0842 HRS

Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ -%	ORP (mV) +/- 20	Comments
0900			6.72	6.3				3.5		DAA-4023 unfiltered
										DAA-4024 Filtered
										Chemical / Hydrocarbon odor
										Strong ~ VOA's offgass from
										HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature [signature]

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID: HYP09	Date: 10/20/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:
- HORIBA U 10 ☐ — HORIBA U22 ☐ YSI 6600EDS
- S/N: — S/N: 04F10837 AB
- FID/PHOTO VAC ☐ — ORION 290A ☐
- INTERFACE PROBE ☐ — OVA 128 ☐
- HORIBA ORP ☐ — WATER LEVEL ☐

Personnel: John Hardin

EXPOSURE MONITORING
- Background: _____ PPM
- Reading: _____ PPM

WELL CONDITION
- Good ☒
- Fair ☐
- Poor ☐

Total Well Depth: 11.5

Static Water Level: 3.8 — Depth to Product:

Water Column: — Product Layer:

Well Casing Diameter: ≈2" w/ 1/2" PVC

Borehole Diameter: — Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ — Submersible ☐ — Liquid Ring ☐ — Bladder Pump ☐

Pump Rate: ≈600 ml/min

Purge Start Time: 1508 HRS complete @ 1670

Purge Stop Time: 1511 HRS

Total volume Purged: 32L Gal.

Criteria used to stop purging / development: Dry Well ☐ — Parameter Stabilization ☐ water clear / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) -0/00	ORP (mV) +/- 20	Comments
										well re-set (dry earlier on 10/20/04) MS/MSD collected
1530			6.72	6.4				3.5		DAA-4033 Unfiltered
										DAA-4034 Filtered
										DAA-4035 Unfiltered-MSD
										DAA-4036 Filtered MSD
										chemical Hydrocarbon odor
										VOA's offgass from HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HVP10	Date: 10/20/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐ YSI 600QEDS	
S/N:		S/N: 04F100837 AB	
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 11.5	
Static Water Level: 7.6	Depth to Product:
Water Column:	Product Layer:
Well Casing Diameter: ≈2" w/ 1/2" PVC	
Borehole Diameter:	Multiplier:
Low Flow Method ☐	
Minimal Purge Sampling ☐	

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ≈600 ml/min
Purge Start Time: 0927 HRS
Purge Stop Time: 0930 HRS
Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water Clearsup / tubing activated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ g/L -	ORP (mV) +/- 20	Comments
0945			6.84	4.3				2.3		DAA-4025 Unfiltered
										DAA-4026 Filtered
										chemical / Hydrocarbon odor
										Strong - VOA's offgass
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HVPU	Date: 10/20/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:
- HORIBA U 10 ☐ HORIBA U22 ☐ YSI 556MPS
- S/N: S/N: 04F10837 AB
- FID/PHOTO VAC ☐ ORION 290A ☐
- INTERFACE PROBE ☐ OVA 128 ☐
- HORIBA ORP ☐ WATER LEVEL ☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 12'
Static Water Level: 8.5' Depth to Product:
Water Column: Product Layer:
Well Casing Diameter: 2" w/ 1/2" PVC
Borehole Diameter: Multiplier:
Low Flow Method ☐
Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐
Liquid Ring ☐ Bladder Pump ☐
Pump Rate: ≈600 ml/min
Purge Start Time: 1025 HRS Complete 1103
Purge Stop Time: 1027 HRS
Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clear / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) - 9/00	ORP (mV) +/- 20	Comments
1045			6.83	20.8				12.5		DAA-4027 - Unfiltered
										DAA-4028 - Filtered
										chemical - Hydrocarbon odor strong
										VOA's offgass from HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP 12	Date: 10/21/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐	Y5166USEDS
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 15'

Static Water Level: 6.3' Depth to Product:

Water Column: Product Layer:

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Well Casing Diameter: 2" w/ 1/2" PVC pipe

Pump Rate: ≈ 600 ml/min

Borehole Diameter: Multiplier:

Purge Start Time: 1429 HRS

Low Flow Method ☐

Purge Stop Time: 1432 HRS

Minimal Purge Sampling ☐

Total volume Purged: ≈ 2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clear tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) -	ORP (mV) +/- 20	Comments
										well dry @ 1524 - RE-SET DUP SAMPLE COLLECTED
1445			6.95	2.2				1.1		DAA-4043 UNFILTERED
										DAA-4044 FILTERED
			6.83	2.1				1.0		DAA-4045 UNFILTERED DUP
										DAA-4046 Filtered Dup
										Chem/Hydrocarbon odor strong
										VOA's offgas from HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP13	Date: 10/21/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:
- HORIBA U 10 ☐ S/N:
- HORIBA U22 ☐ S/N: 04K1 0837 AB
- YSI 660 EDS
- FID/PHOTO VAC ☐
- ORION 290A ☐
- INTERFACE PROBE ☐
- OVA 128 ☐
- HORIBA ORP ☐
- WATER LEVEL ☐

Personnel: John Hardin

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 11.7'

Static Water Level: 8.5' Depth to Product:

Water Column: Product Layer:

Well Casing Diameter: ≈2" w/ 1/2" PVC pipe

Borehole Diameter: Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ≈ 200 ml/min

Purge Start Time: 1045 HRS

Purge Stop Time: 1048 HRS

Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clear / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%/‰)	ORP (mV) +/- 20	Comments
1108			6.9	4.8				2.2		DAA-4041 – UNFILTERED
										DAA-4042 – FILTERED
										DAA-4047 UNFilt. trit. dup
										DAA-4048 Filt. trit dup
										Chem – Hydrocarbon odor strong
										VOA's ok/pass w/HCl
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

ATTACHMENT 4-3
Dry Season IR Site 2 Wetland Soil Logs

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA
Project Number: G601507-212
Boring Location: S0601
Date Logged: 10/15/04
Geologist: R Janosy
Total Depth: 1'
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Ernesto Jasso
Drilling Equipment: ~~Geoprobe~~ XD-1
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: microcore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: X Yes __ No
Backfill Method: grout
Monitoring Device Installed: __ Yes X No
Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CH	CLAY, greyish brown, 2.5Y 5/2, firm, fat highly plastic, moist-wet, no odors. TD = 1'								PID = 0.2 ppm RAD = 0.4 x 0.1
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2070

Sample Description: S0601 0-1

Collector: RJJ Date/Time: 10/15/04 1620 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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Container 5 of 5

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG02 Date Logged: 10/15/04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: ~~Geoprobe~~ HAND SAMPLE Drilling Method: ~~Direct push~~ Boring ~~Diameter~~: ~~Sampler Type~~: Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Silty SAND, olive light brn 2.5Y5/6 med grn, subrounded, loose, wet, no odors		90	10					PID=0.0 RAD=0.4x0.1
			TD=1'								
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2071

Sample Description : SOG02 0-1'

Collector: RJJ Date/Time: 10/15/04 1655 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom
1,4-Dioxane PCDD/PCDF TPH Sulfides TOC
Alkalinity Interstitial Salinity Hardness
Explosives Moisture Content Grain Size
Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container 5 of 5

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SO603 Date Logged: 10/15/04 Geologist: R. Janosy Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Eugene Drilling Equipment: ~~Geoprobe~~ XD-1 Drilling Method: Direct push Boring Diameter: 2'/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0		SM	silty SAND (fill), olive light brown 2.5Y 5/6. sand is fine-med grn, loose dry, no odors. contains debris of brkn glass, plastic sheeting, gravel, cardboard.								rad = 0.4 x 0.1 PID = 0.0 ppm
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2065

Sample Description : SOG03 0-1

Collector: RJJ Date/Time: 10/18/04 1325 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container 5 of 5

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: S6G04 Date Logged: 10/15/04 Geologist: B. Janosy Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Eugene Drilling Equipment: ~~Geoprobe~~ XD-1 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	silty CLAY, greyish brn 2.5Y 5/2 stiff, slightly plastic, dry, no odors, roots								RAD = 1.5 x 0.1 PID = 0.0 ppm
			TD = 1'								
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-20 Step 59

Sample Description: S6G04 0-1'

Collector: RQ Date/Time: 1000 10/15/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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Container 6 of 6

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA	Drilling Contractor: Precision Sampling	Northing (NAD 27):
Project Number: G601507-212	Driller: Ernesto Jasso	Easting (NAD 27):
Boring Location: SO6 05	Drilling Equipment: Geoprobe 6610DT	Surface Elevation (NAVD 88):
Date Logged: 10/14/04	Drilling Method: Direct push	Borehole Abandoned: X Yes __No
Geologist: R JANOSY	Boring Diameter: 2 1/2"	Backfill Method: grout
Total Depth: 1'	Sampler Type: Microcore	Monitoring Device Installed: __Yes X No
Reviewed by:	Hammer Type: NA	Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		CL	silty CLAY, greyish brown 2.5Y 5/2 stiff, plastic, dry, no odors, roots TD=1'								Rad=0.5x0.1 PID=0.0ppm
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2046
Sample Description: SO6 05 0-1'
Collector: RJ Date/Time: 1445 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG06 Date Logged: 14 Oct 04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling ~~Driller:~~ HANDSAMPLE ~~Drilling Equipment: Geoprobe~~ ~~Drilling Method: Direct push~~ ~~Boring Diameter:~~ Sampler Type: trowel Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	silty CLAY, greyish brown 2.5Y5/2, stiff, plastic, dry, no odor, roots TD=1'								Bd=0.6x0.1 PID=0.0ppm
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2047

Sample Description: SOG 06 0-1'

Collector: RJ Date/Time: 1600 10/14/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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Container 5 of 5

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG07 Date Logged: 10/14/04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling ~~Driller~~: BOB JANOSY - HAND sample ~~Drilling Equipment~~: ~~Geoprobe~~ ~~Drilling Method~~: ~~Direct push~~ ~~Boring Diameter~~: ~~Sampler Type~~: trowel Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		CL	CLAY, greyish brown 2.5Y 5/2, soft, very plastic, wet, no odor, roots TD = 1'								PAD = 0.4 x 0.1 PID = 0.0 ppm
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2048

Sample Description : SOG07 0-1'

Collector: RJJ Date/Time: 10/14/04 1605 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container ___ of ___

Battelle

ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: S0608 Date Logged: 10/14/09 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling ~~Driller:~~ BOB JANOSY Drilling Equipment: ~~Geoprobe~~ HAND SAMPLE Drilling Method: Direct push ~~Boring Diameter:~~ ~~Sampler Type:~~ trowel Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: auger Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		CL	silty CLAY, greyish brn 2.5Y 5/2, stiff, moderately plastic, dry, no odors, roots TD=1'								rad=0.4x0.1 PID=0.0
											*error message on GPS Trimble unit that point does not have compatable coordinate system
5											
10											
15											

PROFESSIONAL GEOLOGIST
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Expires 5/07
STATE OF CALIFORNIA

Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2 ~~0-5~~ 40

Sample Description: S0608 0-1'

Collector: RJ Date/Time: 1635 10/14/09 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG09 Date Logged: 10/14/04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling ~~Driller:~~ BOB JANOSY Drilling Equipment: ~~Geoprobe~~ HAND SAMPLE ~~Drilling Method: Direct~~ push ~~Boring Diameter~~: ~~Sampler Type:~~ trowel Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (PPM)	Comments
0		CL	Silty CLAY, greyish brn 2.5Y 5/2, stiff, moderately plastic, dry, no odor, roots TD = 1'								RAD = 0.5 x 0.1 PID = 0.1 ppm * error message on GPS Trimble unit that point not consistent w/ coordinate system
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-20 50

Sample Description: SOG09 0-1'

Collector: RJ Date/Time: 1655 10/14/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze (4°C) HNO3 HCL

Lab: BDO (CAS) STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: S0G10 Date Logged: 10/14/04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling ~~Driller:~~ BOB JANOSY Drilling Equipment: ~~Geoprobe~~ Hand sample ~~Drilling Method: Direct push~~ ~~Boring Diameter:~~ Sampler Type: trowel Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		CL	silty CLAY, greyish brn, 2.5Y 5/2 stiff moderately plastic, dry, no odors								pid = 0.0 rad = 0.05
			TD = 1'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-20 51

Sample Description: S0G10 0-1'

Collector: RJ Date/Time: 1710 10/14/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG-11 Date Logged: 10.12.04 Geologist: R JANOSY Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: grout Monitoring Device Installed: X Yes __No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	silty CLAY, light grey 5YR 7/1, stiff, plastic, no odor, dry TD = 1'								Rad = 0.5 x 0.1 PID = 0ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2011
Sample Description: SOG 11 - Dup 0-1'
Collector: RJ Date/Time: 1515 10/12/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 5

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2010
Sample Description: SOG 11 0-1'
Collector: RJ Date/Time: 1515 10/12/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG12 Date Logged: 10.12.04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		ML/SM	silty SAND, light yellowish brn 2.5Y 6/4, fine grn - vry fn grn, slightly plastic, loose, no odor, dry - grades into a cleaner sand at 0.5ft, fine-med grn		60	40					Rdd = 0.5x0.1 PID = 0.0 ppm
					75	25					
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2012

Sample Descripion : SOG12 0-1'

Collector: AJJ Date/Time: 10/12/04 1545 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom
1,4-Dioxane PCDD/PCDF TPH Sulfides TOC
Alkalinity Interstitial Salinity Hardness
Explosives Moisture Content Grain Size
Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG13 Date Logged: 10.12.04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: ✓ Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes __ No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (PPM)	Comments
0		CL	sandy CLAY dark greyish brn 2.5Y 4/2, sand is fine grn, clay is plastic, firm, damp, no odor. TD = 1'		10	90					Rad = 0.5 x 0.1 PID = 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2013
Sample Description : DAA-SOI-SOG13-1-0-1
Collector: RJ Date/Time: 10/12/04 1620 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2014
Sample Description : ER-10-12
Collector: RJ Date/Time: 10-12-04/1635 (Local Time)
Matrix : SOIL Blank
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG14 Date Logged: 10/12/04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes __No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SP	SAND, light grey 2.5Y 7/1, fine grn, loose, clean, dry, no odor. TD = 1'		100						0.5 rad 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2006
Sample Description: SOG14 0-1'
Collector: RJJ Date/Time: 1135 10/12/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG15 Date Logged: 10/12/04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0			silty CLAY, dark greyish brn, 10YR 4/2, plastic, stiff, dry, no odor, dense TD = 1'								rad = 0.5 pid = 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2007 1

Sample Description : SOG15 0-1

Collector: RJJ Date/Time: 10/12/04 1330 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: S06 16 Date Logged: 10/12/04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: MICROCORE Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	Grading % Sand	Grading % Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, light brownish grey 2.5Y 6/2 fine-med grn. firm, dry. changes at 0.5 to		60	40					0.5 rad 0.0 ppm
		SP	a clean SAND, light yellowish grey, med grn. Dry. no odor.		100						
			TD = 1'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2005

Sample Descripion : S06 16 0-1

Collector: RJJ Date/Time: 1115 10/12/04 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: S0617 Date Logged: 10/12/04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0			silty SAND, yellowish brn, fine-med grn, loose, mica present, subrounded, dry TD = 1'		65	35			S0617-01		0.5 rad 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2003

Sample Description: S0617 01'

Collector: RJJ Date/Time: 1030 10/12/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG18 Date Logged: 10/12/04 Geologist: R. JANOSY Total Depth: 1 ft. Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2½" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	Grading % Sand	Grading % Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SP	SAND, med grn, yellowish brn, loose, dry until 0.5 ft, damp from 0.5-1, rounded, clean TD = 1'		100						0.5 cc 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2004
Sample Description: SOG18 0-1'
Collector: RJ Date/Time: 1100 10/12/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 5

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: S0619 Date Logged: 13OCT04 Geologist: R. JANOSY Total Depth: 1 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcor Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	sandy CLAY, dark greyish brn 2.5Y 4/2 sand is fine grn, clay is plastic, firm, damp, no odor TD=1'								rad=0.5 x 0.1 pid=0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2015

Sample Descripion: S0619 0-1

Collector: RJJ Date/Time: 10/13/04 0920 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG20 Date Logged: 10.13.04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	sandy CLAY, dark greyish brn 2.5Y 4/2 sand is fine grn, clay is plastic, firm, damp, no odor								PAD = 0.5 x 0.1 PID = 0.0 ppm
			TD = 1'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2016

Sample Descripion: SOG 20 0-1'

Collector: RJJ Date/Time: 0945 10/13/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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Container 6 of 6

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG21 Date Logged: 10-13-04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	Grading % Sand	Grading % Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	Sandy, CLAY, dark greyish brn 2.5Y 4/2, sand is very fine grn, firm, plastic, dry, no odor TD = 1'		10	90					rad = 0.5 x 0.1 PID = 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2020
Sample Descripion: SOG 21 0-1'
Collector: RJ Date/Time: 1115 10/13/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL 5 5
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG 22 Date Logged: 10·13·04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND light grey 2.5Y 7/2, med-fine grn, almost clean, micaceous, moist, subrounded, no odors moist - wet at 1' TD = 1'		90	10					Rad: 0.5, 0.1 PID: 0.0
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2025

Sample Description: SOG 22 0'-1

Collector: RJJ Date/Time: 10-13-04 1450 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG23 Date Logged: 10/13/04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	silty CLAY, drk greyish brn 2.5Y 4/2, firm, plastic, moist, no odors.			100					rad = 0.5x0.1 PID = 0.0 ppm
		SP	SAND, light grey 2.5Y 7/2, fine grn, clean, subrounded, moist-wet, no odors		100						
			TD = 1'								
5											
10											
15											

PROFESSIONAL GEOLOGIST
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No. 7346
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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2027

Sample Descripion : SOG23 0-1'

Collector: RJJ Date/Time: 10/13/04 1540 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG24 Date Logged: 10/13/04 Geologist: R. JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 1066 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __No Backfill Method: grout Monitoring Device Installed: __Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		MH/CH	silty CLAY to fat CLAY, olive brown 2.5Y 4/4. highly plastic, firm, mottled, damp-moist, no odors.								rad = 0.5 x 0.1 PID = 0.0 ppm
			TD = 1'								
5											
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2030
Sample Description : Equipment Blank
Collector: RJ Date/Time: 1700 10/13/04 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL 1 to Battelle 6 to CAS
Battelle The Business of Innovation Container ___ of ___

Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2029
Sample Description SOG24 DUP 0-1'
Collector: RJ Date/Time: 10/14/04 1610 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
Battelle The Business of Innovation Container 6 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID : DAA-2028
Sample Description : SOG24 0-1
Collector: RJ Date/Time: 10/13/04 1610 (Local Time)
Matrix : SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve : Freeze 4°C HNO3 HCL
Lab : BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOG 25 Date Logged: 10-13-04 Geologist: R JANOSY Total Depth: 1' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MicroCore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM/SP	Silt SAND - SAND, light grey 2.5Y 7/2, med-fine gm - clean/almost clean, Micaceous, moist - wet, no odor. TD=1'		95	5					RAD = 0.3 x 0.1 PID = 0.0 ppm
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2026

Sample Description: SOG 25 0-1

Collector: RJJ Date/Time: 10/13/04 1515 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC41 Date Logged: 10/15/04 Geologist: R JANOSY Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: EUGENE Drilling Equipment: ~~Geoprobe~~ XD-1 Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: MicroCore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" temp PVC screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Silty SAND, olive light brn 2.5Y 5/6, fine grn, well rounded, loose, moist, no odors		90	10					RAD = 0.4 x 0.1 AD = 0.4 ppm
		SP	SAND, olive light brn 2.5Y 5/6 med grn, clean, well rounded, loose, saturated black								
		CL	sandy CLAY, black firm, plastic, sand is fine-med grn. saturated		20	80					
			TD = 4'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID: DAA-2069

Sample Description: SOC 41 0-1'

Collector: RJ Date/Time: 1545 10/15/04 (Local Time)

Matrix: SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve: Freeze 4°C HNO3 HCL

Lab: BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC42 Date Logged: 10/15/04 Geologist: R JANOSY Total Depth: 3 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Eugene Drilling Equipment: ~~Geoprobe~~ XD-1 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes __No Backfill Method: Monitoring Device Installed: __Yes __No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	silty SAND, (fill) olive light brown 2.5Y 5/6 fine-med grn, loose, dry, no odors								PID = 0.4 ppm RAD = 0.4 x 0.1
			same, but oxidized, roots, wood								
			wood debris, saturated, poor recovery (no soils)								
			TD = 3'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2068

Sample Description : SOC42 0-1'

Collector: RJJ Date/Time: 10/15/04 1515 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC43 Date Logged: 10/15/04 Geologist: R Janosy Total Depth: 8' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Eugene Drilling Equipment: ~~Geoprobe~~ XD-1 Drilling Method: Direct push Boring Diameter: Sampler Type: MicroCont Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: grout Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	silty CLAY, grayish brown 2.5Y 5/2, stiff, slightly plastic, dry, no odors								ND =
		SM	silty SAND, olive light brn 2.5Y 5/6. SAND is fine grn, loose, micaceous, dry, no odors.								
			same, but oxidation at 4' + debris (plastic)								
			NO RECOVERY								
			TD= 8'								
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2063
Sample Description: SOC 43 0-1'
Collector: RJ Date/Time: 1105 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2064
Sample Description: SOC 43 3-4'
Collector: RJ Date/Time: 1120 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 44 Date Logged: 10/14/04 Geologist: R JANOSY Total Depth: 12' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: 1" PVC temp well

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0			silty CLAY, greyish brown 2.5Y 5/2, stiff, plastic, damp, no odor								
		CL									
			CLAY, olive brown 2.5Y 4/3, fat, soft, very plastic, moist, no odor								
5											
		CH									
			no recovery except shoe, clean SAND black, organic, saturated								
10											
			TD = 12'								set screen 7-12'

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2043
Sample Description: SOC 44 0-1'
Collector: RJ Date/Time: 1400 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2044
Sample Description: SOC 44 3-4'
Collector: RJ Date/Time: 1405 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2045
Sample Description: SOC 44 6-7'
Collector: RJ Date/Time: 1410 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA	Drilling Contractor: Precision Sampling	Northing (NAD 27):
Project Number: G601507-212	Driller: Eugene	Easting (NAD 27):
Boring Location: SOC45	Drilling Equipment: ~~Geoprobe~~ XD1	Surface Elevation (NAVD 88):
Date Logged: 10/15/04	Drilling Method: Direct push	Borehole Abandoned: X Yes __ No
Geologist: R JANOSY	Boring Diameter: 2 1/2	Backfill Method:
Total Depth: 3 1/2'	Sampler Type: MIRCORE	Monitoring Device Installed: __ Yes X No
Reviewed by:	Hammer Type: NA	Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0		CL	silty CLAY, greyish brn 2.5Y 5/2 stiff, moderately plastic, dry, no odors, roots								RAD = 1.5 x 0.1 PID = 0.0
			same, but no SILT								
		CH	CLAY, fat, grey-black, soft, highly plastic no odors, moist-wet								
			TD = 3 1/2'								
5											
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2052
Sample Description: SOC45 0-1'
Collector: RJ Date/Time: 10/15/04 0845 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2054
Sample Description: SOC 45 2-3'
Collector: RJ Date/Time: 0860 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
DAA-2053
Sample ID: DAA-2053
Sample Description: SOC 45 0-1' Dup
Collector: RJ Date/Time: 0845 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA
Project Number: G601507-212
Boring Location: SOC46
Date Logged: 10/15/04
Geologist: R. Janosy
Total Depth: 3'
Reviewed by:

Drilling Contractor: Precision Sampling
Driller: Eugene
Drilling Equipment: ~~Geoprobe~~ XD1
Drilling Method: Direct push
Boring Diameter: 2 1/2"
Sampler Type: microcore
Hammer Type: NA

Northing (NAD 27):
Easting (NAD 27):
Surface Elevation (NAVD 88):
Borehole Abandoned: __Yes X No
Backfill Method:
Monitoring Device Installed: X Yes __No
Type: 1" PVC temp 5' screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		CL	CLAY, greyish brn 2.5Y 5/2, firm, mod. plastic, dry-damp, no odor, roots Lean								RAD = 1.5 x 0.1 PID = 0.0
		CH	CLAY, fat, grey-black soft, highly plastic, no odors, moist-wet. TD = 3'								
			set screen for HYPIS 3-8'								
5											
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-20~~5~~8 58
Sample Description: SOC 46 2-3'
Collector: RQ Date/Time: 0917 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-20~~5~~6 56
Sample Description: SOC 46 0-1' HS
Collector: RQ Date/Time: 0917 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-20~~6~~7 57
Sample Description: SOC 46 0-1' MSD
Collector: RQ Date/Time: 0917 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-20~~5~~5 55
Sample Description: SOC 46 0-1'
Collector: RQ Date/Time: 0917 10/15/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC47 Date Logged: 10.12.04 Geologist: R. JANOSY Total Depth: 1 Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: Microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (PPM)	Comments
0		CL	silty CLAY, light grey 5YR 7/1 from 0-.5' stiff, plastic, no odor, dry. turns into silty SAND from 0.5-1ft								0.0 RAD PID = 0 ppm
		SP	SAND, light brownish grey 2.5Y 6/2 fine grn, loose, damp, no odor, Mica								
			TD = 2'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2008

Sample Descripion : SOC47 0-1'

Collector: RJJ Date/Time: 10/12/04 1400 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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Container 5 of 5

Alameda IR Site 2 Remedial Investigation

Sample ID : DAA-2009

Sample Descripion : SOC47 1-2'

Collector: RJJ Date/Time: 1405 10/12/04 (Local Time)

Matrix : SOIL

Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests

Preserve : Freeze 4°C HNO3 HCL

Lab : BDO CAS STL

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 48 Date Logged: 10/12/04 Geologist: R. JANOSY Total Depth: 5' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 Drilling Method: Direct push Boring Diameter: 2 1/2 Sampler Type: micro core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: probe Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM/ML	sandy silt, fine to med grn, yellowish brn, slightly plastic, firm, no odor, dry		15	85			see below		0.0 ppm @ 0930
		SP	SAND, yellowish brn, med-fine grn, loose, damp, no odor. Mica present, sub-rounded.		100				SOC48-0-1 @ 0930 SOC48-1-2 @ 0935		0.5K × 0.1 setting
		SP	same, wet-saturated TD = 2'								
5											
10											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2001
Sample Description: 0-1'
Collector: RC Date/Time: 0930 10/12/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2002
Sample Description: 1-2' 0935
Collector: RJJ Date/Time: 0930 10/12/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
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Expires 7/05
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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 49 Date Logged: 10-13-04 Geologist: R. JANOSY Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SM	Silty SAND, light grey 2.5Y 7/2, SAND is vry fine grn, loose, dry, no odor.		70	30					Rad 0.5x Bkg PID = 0.0 ppm
		SP	SAND, light grey 2.5Y 7/2, SAND is Med-fine grn, clean, micaceous, sub rounded, loose dry, no odor								
5											
10											
15											

PROFESSIONAL GEOLOGIST
ROBERT J. JANOSY
No. 7346
Expires 5/07
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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2022
Sample Description: SOC 49 2-3'
Collector: RJ Date/Time: 1150 10/13/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle The Business of Innovation
Container 5 of 5

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2021
Sample Description: SOC 49 0-1'
Collector: RJ Date/Time: 1145 10/13/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
Battelle The Business of Innovation
Container 6 of 6

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC50 Date Logged: 10-13-04 Geologist: R JANOSY Total Depth: 10' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type: temp screen for GW samp

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CL	sandy CLAY, dark greyish brn, 2.5Y 4/2. sand is fine grn, clay is plastic, firm, damp, no odor								RAD = 0.5 x 0.1 PID = 0.0
		CL	CLAY, dark greyish brn 2.5Y 4/2, highly plastic, firm, damp. no odor								
		SC	clayey SAND, light olive brn 2.5Y 5/4 changes to a cleaner SAND, fine grn, loose, moist		80	20					
5		MH	sandy CLAY, dark grey 2.5Y 4/1. sand is very fine grn. CLAY is highly plastic moist, no odor		10	90					
		SC/SP	clayey SAND, dark greenish grey GLEY 4/1. SAND cleans up & is clean at 8'.		90 100	10					
		MH	sandy CLAY - as above								
		SP	SAND, dark greenish grey GLEY 4/1 as above								
10			TD = 10' Set screen 5-10'								
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2019
Sample Description: SOC 50 4-5'
Collector: RJ Date/Time: 1025 10/13/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2018
Sample Description: SOC 50 2-3'
Collector: RJ Date/Time: 1020 10/13/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2017
Sample Description: SOC 50 0-1'
Collector: RJ Date/Time: 1015 10/13/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 51 Date Logged: 10.13.04 Geologist: F. Janosy Total Depth: 4' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: __Yes X No Backfill Method: Monitoring Device Installed: X Yes __No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		CL	Sandy CLAY, dark grayish brn 2.5Y 4/2 sand is very fine grn, firm, plastic, dry no odor		30	70					rad = 0.5 x 0.1 PID = 0.0 ppm
		SP	SAND, light grey 2.5Y 7/2, med-fine grn, clean, micaceous, sub rounded, loose, dry-moist, no odors.		100						
			set screen 3-8'								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2024
Sample Descripion: SOCSP-2-3
Collector: FJ Date/Time: 10.13.04 1350 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 7 of 7

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2023
Sample Descripion: SOCSP 0-1
Collector: FJ Date/Time: 10/13/04 1345 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 7 of 7

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC52 Date Logged: 14 Oct 04 Geologist: R. Janosy Total Depth: 2' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		SC	CLAYEY SAND, light olive brn 2.5Y 5/4. Sand is fine grn. Firm, plastic, damp, no odors		60	40					Rad = 0.4 x 0.1 P.D = 0.1 ppm
		SP	SAND, light grey 2.5Y 7/2, fine grn, clean, micaceous, subrounded, loose, moist-wet no odors		100						
1.5			TD = 2 Ft								
5											
15											

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2033
Sample Description: SOC 52 0-1' MS
Collector: RJ Date/Time: 0845 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 5

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Site 2 Remedial Investigation
Sample ID: DAA-2032
Sample Description: SOC 52 0-1' MS
Collector: RJ Date/Time: 0846 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 5

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2034
Sample Description: SOC 52 1-2'
Collector: RJ Date/Time: 0850 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 5

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2031
Sample Description: SOC 52 0-1'
Collector: RJ Date/Time: 0845 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 5

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC 53 Date Logged: 14 Oct 04 Geologist: R Janosy Total Depth: 2.4 ft Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: Micro Core Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: X Yes __ No Type: temp PVC screen

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor ppm	Comments
0		CH	CLAY, olive brown 2.5Y 4/4. fat, very plastic, soft-firm, damp, no odors								RAD = 0.4 x 0.1 PID = 0.1 ppm
		SP	SAND, light grey 2.5Y 7/2, med grn, clean, micaceous, sub rounded, loose, wet, no odors changes to a dark grey at 1 1/2 ft.								
			TD = 2.4								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2037
Sample Descripion: SOC 53 - 1-2'
Collector: RJ Date/Time: 0925 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2035
Sample Descripion: SOC 53 0-1'
Collector: RJ Date/Time: 0920 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2036
Sample Descripion: SOC 53 0-1' Dup
Collector: RJ Date/Time: 0920 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC54 Date Logged: 10/14/04 Geologist: R. JANOSY Total Depth: Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jasso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor (ppm)	Comments
0		SP	SAND, light grey 2.5Y 7/2 med-fine grn, clean, micaceous, subrounded, loose, damp, no odor								rad = 0.4 x 0.1 PID = 0.1 ppm
		CL	CLAY, olive brn 2.5Y 4/4, fat, highly plastic, firm								
		SP	SAND, as described above, but wet								
5											
10											
15											

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2039
Sample Description: SOC54 1-2'
Collector: RJ Date/Time: 1036 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2038
Sample Description: SOC54 0-1'
Collector: RJ Date/Time: 1025 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 5

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ALAMEDA POINT - IR SITE 2
SOIL BORING LOG

Permit Number: NA Project Number: G601507-212 Boring Location: SOC55 Date Logged: 10-14-04 Geologist: R JANOSY Total Depth: 16' Reviewed by:	Drilling Contractor: Precision Sampling Driller: Ernesto Jaso Drilling Equipment: Geoprobe 6610 DT Drilling Method: Direct push Boring Diameter: 2 1/2" Sampler Type: microcore Hammer Type: NA	Northing (NAD 27): Easting (NAD 27): Surface Elevation (NAVD 88): Borehole Abandoned: X Yes __ No Backfill Method: Monitoring Device Installed: __ Yes X No Type:

Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	% Sand	% Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor PPM	Comments
0		SM	silty SAND, olive light brn 2.5Y 5/6, sand is very fine grn, loose, micaceous, dry, no odors.		60	40					PID = 0.5 - 1.0 x 0. PID = 0.0
		SM									
		ML	clayey SILT, dark greyish brn 2.5Y 4/2, stiff, slightly plastic, dry, debris throughout - wood, plastic, unknown white crystalline material								
5			No Recovery 4-11.5'								
10		OH	sandy CLAY, organic w/ debris, black slight recovery from 11'-12'								
			NO RECOVERY								
15			TD=16'								

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Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2041
Sample Description: SOC55 3-4'
Collector: RJ Date/Time: 1110 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 5 of 6

Alameda IR Site 2 Remedial Investigation
Sample ID: DAA-2040
Sample Description: SOC56 0-1'
Collector: RJ Date/Time: 1105 10/14/04 (Local Time)
Matrix: SOIL
Analysis: VOCs SVOCs Metals TBT HexChrom 1,4-Dioxane PCDD/PCDF TPH Sulfides TOC Alkalinity Interstitial Salinity Hardness Explosives Moisture Content Grain Size Rads PCBs/Pests
Preserve: Freeze 4°C HNO3 HCL
Lab: BDO CAS STL
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Container 6 of 6

ATTACHMENT 4-4
Dry Season IR Site 2 Wetland Groundwater Purge Logs

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP 14	Date: 10/17/04	Project No.: G601507	Recorder: John Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ YSI 6600 EDS
S/N:		S/N:	04F1 0937 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: John Hardin, Bob Jansky

EXPOSURE MONITORING
Background: _____ PPM
Reading: _____ PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 6'

Static Water Level: ~3' Depth to Product:

Water Column: Product Layer:

Well Casing Diameter: ~2" w/ 1/2" PVC

Borehole Diameter: Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ~600 ml/min

Purge Start Time: 1415 HRS

Purge Stop Time: 1417 HRS

Total volume Purged: ~2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) ~~6/60~~ -	ORP (mV) +/- 20	Comments
1420			6.7	8.8				4.9		DAA-4303 UNFILTERED Sample
										DAA-4304 Filtered Sample
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

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unmarked well SE of HYP 33' bearing 163° (true)

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: (HYP15)	Date: 10/17/04	Project No.: G601507	Recorder: BOB JANOSY	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐	YSI 556 MPS
S/N:		S/N:	04F100837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☒

Personnel: BOB JANOSY, JOHN HARDIN

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: ~ 6 Ft

Static Water Level: Depth to Product:

Water Column: Product Layer:

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Well Casing Diameter: 2" w/ 1/2" PVC

Pump Rate:

Borehole Diameter: Multiplier:

Purge Start Time: 1208 HRS 1310 completed

Low Flow Method ☐

Purge Stop Time: 1210 HRS

Minimal Purge Sampling ☐

Total volume Purged: ~2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) -	ORP (mV) +/- 20	Comments
										very low flow, recharge
1230			7.04	48.7				31.8		DAA-4017 Unfiltered samples
										DAA-4018 Filtered samples
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP16	Date: 10/17/04	Project No.: G601507	Recorder: Janosy / John Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22 ☐	YSI 6600 EDS
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

Personnel: Bob Janosy

Total Well Depth:

Static Water Level: Depth to Product:

Water Column: Product Layer:

Well Casing Diameter:

Borehole Diameter: Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐
Slow re-charge rate

Pump Type: Peristaltic ☐ Submersible ☐
Liquid Ring ☐ Bladder Pump ☐

Pump Rate: ≈ 200 ml/min

Purge Start Time: HRS

Purge Stop Time: HRS

Total volume Purged: ≈ 2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) ppt	ORP (mV) +/- 20	Comments
1230			7.5	21.5				12.9		DAA-4005-Filtered
										DAA-4006-UNFILTERED
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

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ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR 2	Well ID.: HYP17	Date: 10-17-04	Project No.: G601507	Recorder: BOB JANOSY	Page 1 of 1

Equipment:
- HORIBA U 10 ☐ — HORIBA U22 ☐ YSI 600XEDS
- S/N: — S/N: 04F 10837 AB
- FID/PHOTO VAC ☐ — ORION 290A ☐
- INTERFACE PROBE ☐ — OVA 128 ☐
- HORIBA ORP ☐ — WATER LEVEL ☒

Personnel: BOB JANOSY, John Hardin

EXPOSURE MONITORING
- Background: _____ PPM
- Reading: _____ PPM

WELL CONDITION – Temp
- Good ☒
- Fair ☐
- Poor ☐

5' screen

Total Well Depth: 5'

Static Water Level: ≈ 3' — Depth to Product:

Water Column: — Product Layer:

Well Casing Diameter: 1" w/ 1/2" PVC

Borehole Diameter: — Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ GEOPUMP — Submersible ☐ — Liquid Ring ☐ — Bladder Pump ☐

Pump Rate: ≈ 600 ml/min

Purge Start Time: 1013 HRS — STOPPED 1030

Purge Stop Time: 1016 HRS

Total volume Purged: ≈ 2L Gal.

Criteria used to stop purging / development: Dry Well ☐ — Parameter Stabilization ☐ — water clears up / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) -	ORP (mV) +/- 20	Comments
1015	≈1'		7.8	9.9				5.6		DAA-4013 = UNFILTERED samp.
										DAA-4014 = Filtered samples
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP 18	Date: 10.17	Project No.: G601507	Recorder: HARDIN/JANOSY	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ YSI 6600 EDS ✓
S/N:		S/N:	04F10837 AB
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☒

Personnel: BOB JANOSY, JOHN HARDIN

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth:

Static Water Level: 5.2 Depth to Product:

Water Column: Product Layer:

Well Casing Diameter: ≈2" w/ 1/2" PVC

Borehole Diameter: Multiplier:

Low Flow Method ☐

Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Geopump Liquid Ring ☐ Submersible ☐ Bladder Pump ☐

Pump Rate: ≈ 600 ml/min

Purge Start Time: 0920 HRS 0949

Purge Stop Time: 0922 HRS

Total volume Purged: ≈2 L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clear / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~%~~ ‰ -	ORP (mV) +/- 20	Comments
0920	5.2		7.04	37.2				23.6		DAA 4011 = Unfiltered samples
										DAA 4012 = Filtered samples
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDA IR2	Well ID.: HYP 19	Date: 10-17-04	Project No.: G601507	Recorder: BOB JANOSY	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐ YSI 6600 EDS
S/N:		S/N:	
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☒

Personnel: BOB JANOSY, JOHN HAGOIN

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth:

Static Water Level: Depth to Product:

Water Column: Product Layer:

Pump Type: Peristaltic ☒ Geopump Submersible ☐ Liquid Ring ☐ Bladder Pump ☐

Well Casing Diameter: ≈2" w/ 1/2" PVC

Pump Rate: ≈600 ml/min

Borehole Diameter: Multiplier:

Purge Start Time: 1046 HRS 1058 stop

Low Flow Method ☐

Purge Stop Time: 1048 HRS

Minimal Purge Sampling ☐

Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ water clears up / tubing acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity (%) -	ORP (mV) +/- 20	Comments
1050			7.6					3.16		DAA-4015 unfiltered samples
										DAA-4016 Filtered samples
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

Battelle

ALAMEDA POINT – IR SITE 2
WELL DEVELOPMENT/PURGE LOG

Location: ALAMEDAIR2	Well ID.: HYP26	Date: 10/17/04	Project No.: G601507	Recorder: Hardin	Page 1 of 1

Equipment:

HORIBA U 10	☐	HORIBA U22	☐
S/N:		S/N:	
FID/PHOTO VAC	☐	ORION 290A	☐
INTERFACE PROBE	☐	OVA 128	☐
HORIBA ORP	☐	WATER LEVEL	☐

YSI 6600EDS 04F1 0837 AB

Personnel: John Hardin, Bob Janosy

EXPOSURE MONITORING
Background:_____PPM
Reading:_____PPM

WELL CONDITION
Good ☒
Fair ☐
Poor ☐

Total Well Depth: 5.0
Static Water Level: 4.8 — Depth to Product:
Water Column: — Product Layer:
Well Casing Diameter: 1/2" PVC w/≈2" casing
Borehole Diameter: — Multiplier:
Low Flow Method ☐
Minimal Purge Sampling ☐

Pump Type: Peristaltic ☒ Submersible ☐ Liquid Ring ☐ Bladder Pump ☐
Pump Rate: ≈ 600 ml/min
Purge Start Time: 1337 HRS 1420 finish
Purge Stop Time: 1330 HRS
Total volume Purged: ≈2L Gal.

Criteria used to stop purging / development: Dry Well ☐ Parameter Stabilization ☐ WATER CLEARS up during acclimated

Time	Water Depth (btoc)	Volume Recovered (gal)	PH (units) +/- 0.2	Conductivity (mS/cm) +/- 5%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/l) +/- 0.2	Temp. (°C) +/- 3%	Salinity ~~(%)~~ % -	ORP (mV) +/- 20	Comments
1337			7.4	15.3				9.0		DAA-4001 - unfiltered
										DAA-4002 - Filtered
										80% Recharge Level:
										Sample Collected: HRS

Field Team Leader Signature _____

ATTACHMENT 4-5
Dry Season IR Site 2 Wetland Sediment Logs

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ALAMEDA POINT – IR SITE 2
SEDIMENT CORE SAMPLING LOG

10/12/04

Project No. G601507	Date: ~~07.17.2004~~	Recorder: K. BEARDSLEY
Station ID: SED01	Time On Station: (local) 08:30	Time Off Station: (local) 09:20
Northing (~~NAD83, meters~~) NAD 27, FT 473208.05	Easting (~~NAD83, meters~~) NAD27, FT 1471196.08	DGPS Accuracy Estimate (± m): SEE DATABASE (0.7m)
Water depth (ft): 0	Penetration depth (in): 36"	Sample Time: FOR CORE (local) 09:00

Sampler (circle one): (4" dia Push Core) 4" dia Vibracore Split Spoon Other:

Samples Collected (✓) Sediment Chem. / Phys. Other:

Core Section (in)	Sample Description	Sample ID / Sample Type (circle)
0-4 SAMPLE # 3001	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel Sand (coarse med fine) (Silt Clay) Wood chips Shells or Shell Hash Other: Odor: (None) (Slight) Moderate Strong (Petroleum) H2S Other: Peat ?	ENCORE AT 4" (VOCs) (SVOCs) (Metals) TBT (PCBs) Pests Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
4 5-18 SAMPLE # 3002	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel Sand (coarse med fine) (Silt Clay) Wood chips Shells or Shell Hash Other: Odor: (None) (Slight) Moderate Strong (Petroleum) H2S Other:	ENCORE AT 18" (VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
18 18-36 SAMPLE # 3003	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel (Sand) (coarse med fine) Silt Clay Wood chips Shells or Shell Hash Other: Odor: (None) (Slight) Moderate Strong (Petroleum) H2S Other:	ENCORE AT 36" (VOCs) (SVOCs) (Metals) TBT (PCBs) Pests Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics

Field Activities / Comments / Observations:

* 3 ENCORE SAMPLES in 01 CAPPED CORE PER DEPTH INTERVALS (TOP, MID & BOTTOM). ~~TOTAL OF~~ SAMPLE #S 3001 - 3003

Field Team Leader Signature _____

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ALAMEDA POINT – IR SITE 2
SEDIMENT CORE SAMPLING LOG

10/12/04

Project No. G601507	Date: ~~10/11/04~~ KB	Recorder: K BARDLEY
Station ID: SED02	Time On Station: (local) 1110	Time Off Station: (local) 1140
Northing (NAD83, ~~meters~~) 27 ~~NAD27~~ 473156.88	Easting (~~NAD83, meters~~) 27 ~~NAD27~~ 1471620.27	DGPS Accuracy Estimate (± m): 0.6m
Water depth (ft): 0	Penetration depth (in): 36"	Sample Time: FOR CORE. (local) 1120

Sampler (circle one): (4" dia Push Core) 4" dia Vibracore Split Spoon Other:

Samples Collected (✓)	Sediment Chem. / Phys.	Other:

Core Section (in)	Sample Description	Sample ID / Sample Type (circle)
0-4" sample # 3004	Color: Black Dark Gray Gray Brown Other: OLIVE GREEN Type: Cobble Gravel Sand (coarse med fine) (Silt) (Clay) Wood chips Shells or Shell Hash Other: Odor: ~~None~~ Slight (Moderate) Strong Petroleum H2S Other: ORGANIC DETRITUS.	ENCORE @ 0"-4" (VOCs) ~~SVOCs~~ ~~Metals~~ ~~TBT~~ (PCBs) (Pests) Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
4-18" ~~5-18~~ SAMPLE # 3005 3006	Color: Black Dark Gray Gray Brown Other: OLIVE GREEN Type: Cobble Gravel Sand (coarse med fine) (Silt) (Clay) Wood chips Shells or Shell Hash Other: Odor: (None) Slight Moderate Strong Petroleum H2S Other: → DUPLICATE.	ENCORE @ 18" (VOCs) ~~SVOCs~~ ~~Metals~~ ~~TBT~~ (PCBs) (Pests) (Rads) (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
18 ~~10~~-36 SAMPLE # 3007	Color: Black Dark Gray Gray Brown Other: OLIVE GREEN Type: Cobble Gravel Sand (coarse med fine) (Silt) (Clay) Wood chips Shells or Shell Hash Other: Odor: None (Slight) Moderate Strong Petroleum H2S Other: ORGANICS	ENCORE @ 36" (VOCs) ~~SVOCs~~ ~~Metals~~ ~~TBT~~ ~~PCBs~~ ~~Pests~~ Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics

Field Activities / Comments / Observations:

3 ENCORES PER DEPTH (TOP, MID & BOTTOM) INTERVAL + 3 EXTRA FOR DUPLICATE IN MIDDLE INTERVAL (SAMPLE # 300
~~+ CAPPED CORE~~ KB JAPPED BOTTOM INTERVAL SINCE LOOSE INNER BROKE. CAPPED MID & TOP SECTIONS. SAMPLE #S 3004 - 30

Field Team Leader Signature _____

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10/12/04

ALAMEDA POINT – IR SITE 2
SEDIMENT CORE SAMPLING LOG

Project No. G601507	Date: 10/11/04	Recorder: K. BERDOLEY
Station ID: SED03	Time On Station: (local) 1445	Time Off Station: (local) 1503
Northing (~~NAD83, meters~~) NAD27 FT 472875.44	Easting (~~NAD83, meters~~) NAD27 FT 1471767.37	DGPS Accuracy Estimate (± m): 0.4
Water depth (ft): 0	Penetration depth (in): 36	Sample Time: FOR CORE (local) 1450

Sampler (circle one): (4" dia Push Core) 4" dia Vibracore Split Spoon Other:

Samples Collected (✓): Sediment Chem. / Phys. ✓ Other:

Core Section (in)	Sample Description	Sample ID / Sample Type (circle)
0-4 SAMPLE# 3008	Color: (Black) Dark Gray Gray (LT Brown) Other: Type: Cobble Gravel Sand (coarse med fine) (Silt Clay) Wood chips Shells or Shell Hash Other: Odor: (None) Slight Moderate Strong Petroleum H2S Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
4-18 ~~5-18~~ SAMPLE# 3009	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel Sand (coarse med fine) (Silt Clay) Wood chips Shells or Shell Hash Other: Odor: None Slight Moderate Strong Petroleum H2S Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
18-26 ~~19-36~~ MSD/MS SAMPLE# 3010 → 3011 & 3012	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel Sand (coarse med fine) (Silt Clay) Wood chips Shells or Shell Hash Other: Odor: None Slight Moderate Strong Petroleum H2S Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics

Field Activities / Comments / Observations:

4 4 INCORES ALWAYS TAKEN FROM BOTTOM PORTION OF INTERVAL. 3 4 INCORES + 1 CAPPED CORE FOR TOP & MIDDLE INTERVAL. 9 4 INCORES + 1 CAPPED CORE FOR BOTTOM INTERVAL FOR MS & MSD QC SAMPLES. QC SAMPLE #S ARE 3011 & 3012.

Field Team Leader Signature: [signature]

SAMPLE # RANGE 3008 - 3012

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10/13/04

ALAMEDA POINT – IR SITE 2
SEDIMENT CORE SAMPLING LOG

Project No. G601507	Date: ~~10/12/04~~	Recorder: K BEARDSLEY
Station ID: SED04	Time On Station: (local) 815	Time Off Station: (local) 945
Northing (NAD83, meters) 27, FT 472509.06	Easting (NAD83, meters) 27, FT 1471439.07	DGPS Accuracy Estimate (± m): 0.6
Water depth (ft):	Penetration depth (in): LOST PORTION OF LAYER Recovery = 21"	Sample Time: (local) CORE 915 / PROCESSING 0950

Sampler (circle one): (4" dia Push Core) 4" dia Vibracore Split Spoon Other:

Samples Collected (✓) | Sediment Chem. / Phys. ✓ | Other:

Core Section (in)	Sample Description	Sample ID / Sample Type (circle)
0-0.3 0-4 SAMPLE # 3013 TIME: 10:20	Color: (Black) Dark Gray (Gray) (Brown) Other: Type: Cobble Gravel (Sand) (coarse (med) fine) Silt Clay Wood chips Shells or Shell Hash Other: Odor: None (Slight) Moderate Strong Petroleum (H2S) Other: ROOT MATT ON TOP / PLANT INTERIOR	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
TIME: 10:05 4-16 ~~5~~-18 0.3-1.3 SAMPLE # 3014 / 3015 3015 DUPLICATE	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel (Sand) (coarse (med) fine) Silt Clay Wood chips Shells or Shell Hash Other: Odor: None (Slight) Moderate Strong Petroleum (H2S) Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
TIME: 9:30 1.8 1.3-~~2.08~~ ~~18-36~~ 16-21 SAMPLE # ~~3015~~ 3016	Color: Black Dark Gray (Gray) (Brown) Other: Type: Cobble Gravel (Sand) (coarse (med) fine) Silt Clay Wood chips Shells or Shell Hash Other: Odor: None Slight Moderate Strong Petroleum H2S Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics

Field Activities / Comments / Observations:

UNCORES TAKEN AT BOTTOM PORTION OF EACH INTERVAL. 3 UNCORE + 1 CAPPED CORE FOR TOP & BOTTOM INTERVAL. 6 UNCORE + 1 CAPPED CORE FOR MID INTERVAL TO DO DUPLICATE. SAMPLE = 3014
DUPLICATE = 3015

Field Team Leader Signature [signature]

SAMPLE #S FROM 3013 TO 3016

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ALAMEDA POINT – IR SITE 2
SEDIMENT CORE SAMPLING LOG

Project No. G601507	Date: 10/13/04	Recorder: K. BEARDSLEY
Station ID: SED05	Time On Station: (local) 1030	Time Off Station: (local) 1130
Northing (NAD83, ~~meters~~) 27, FT 472474.81	Easting (NAD83, ~~meters~~) 27 FT 1472047.76	DGPS Accuracy Estimate (± m): 0.4
Water depth (ft): 0	~~Penetration~~ depth (in): RECOVERY = 2.8	Sample Time: (local) 1100
Sampler (circle one): (4" dia Push Core) 4" dia Vibracore Split Spoon Other:		
Samples Collected (✓)	Sediment Chem. / Phys. ✓	Other:

Core Section (in)	Sample Description	Sample ID / Sample Type (circle)
0-0.3' 0.4 SAMPLE # 3017 TIME: 1205 → CORRECT TIME	Color: Black Dark Gray Gray (Brown) Other: Type: Cobble Gravel (Sand) (coarse (med) fine) (Silt) (Clay) Wood chips Shells or Shell Hash Other: Odor: (None) Slight Moderate Strong Petroleum H2S Other: ALGAL MAT ON SURFACE	(VOCs) SVOCs (Metals) TBT (PCBs) Pests Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
0.3-1.5' ~~5-18~~ 4-18" SAMPLE # 3018 TIME: 1155	Color: Black Dark Gray Gray (Brown) Other: Type: Cobble Gravel (Sand) (coarse (med) fine) (Silt) (Clay) Wood chips Shells or Shell Hash Other: Odor: (None) Slight Moderate Strong Petroleum H2S Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) Pests Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
1.5'-2.8' ~~19-36~~ 19-32" SAMPLE # 3019 TIME: 1145	Color: Black Dark Gray (Gray) (Brown) Other: Type: Cobble Gravel (Sand) (coarse (med) fine) (Silt) (Clay) Wood chips Shells or Shell Hash Other: Odor: None (Slight) Moderate Strong Petroleum H2S Other:	(VOCs) (SVOCs) (Metals) TBT (PCBs) (Pests) Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics

Field Activities / Comments / Observations:

ENCORES TAKEN AT BOTTOM PORTION OF EACH INTERVAL.
3 ENCORES + 1 CAPPED CORE COLLECTED FOR TOP, MID & BOTTOM INTERVAL. SAMPLE #S FROM 3017 - 3019

Field Team Leader Signature: [signature]

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ALAMEDA POINT – IR SITE 2
SEDIMENT CORE SAMPLING LOG

Project No. G601507	Date: 10/13/04	Recorder: K. BRADLEY
Station ID: SED06	Time On Station: (local) 1:15	Time Off Station: (local) 2:15
Northing (NAD83, ~~meters~~) 27 FT. 472124.78	Easting (NAD83, ~~meters~~) 27 FT 1471804.46	DGPS Accuracy Estimate (± m): 0.4
Water depth (ft): 0	Penetration depth (in): 36"	Sample Time: CORE = 1:45 (local)
Sampler (circle one): (4" dia Push Core) 4" dia Vibracore Split Spoon Other:		
Samples Collected (✓)	Sediment Chem. / Phys. ✓	Other:

Core Section (in)	Sample Description	Sample ID / Sample Type (circle)
TIME 1515 0-4 SAMPLE # 3020	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel (Sand) (coarse med (fine)) Silt Clay Wood chips Shells or Shell Hash Other: Odor: None Slight Moderate Strong Petroleum H2S Other:	(VOCs) SVOCs (Metals) TBT (PCBs) Pests Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
TIME 1510 5-18 17 SAMPLE # 3021	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel (Sand) (coarse med (fine)) Silt Clay Wood chips Shells or Shell Hash Other: Odor: None Slight Moderate Strong Petroleum (H2S) Other: SLIGHT	(VOCs) (SVOCs) (Metals) TBT (PCBs) Pests Rads (HexChrom) (TPH) Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics
TIME 1505 17-27 ~~19~~-36 SAMPLE # 3022.	Color: (Black) Dark Gray Gray Brown Other: Type: Cobble Gravel (Sand) (coarse med (fine)) Silt Clay Wood chips Shells or Shell Hash Other: Odor: None Slight Moderate Strong Petroleum (H2S) Other:	(VOCs) SVOCs (Metals) TBT (PCBs) Pests Rads HexChrom TPH Sulfides Interstitial Salinity TOC Alkalinity Hardness Explosives 1,4-Dioxane PCDD/PCDF Grain-Size Moisture Organics

Field Activities / Comments / Observations: COULD NOT EXTRUDE LINER FROM CORE BARREL. HAD TO LAY CORE OUT ON CLEAN POLYETHYLENE & COLLECT VOLUME FOR ALL ANALYSES EXCEPT VOCS IN GLASS JARS. IN TOTAL 22 JARS + 3 ENCORES PER DEPTH INTERVAL (BOTTOM, MID & TOP). ENCORES STILL COLLECTED FROM BOTTOM SAMPLE #S 3020-3022 OF EACH INTERVAL

Field Team Leader Signature _____

ATTACHMENT 4-6
Dry Season IR Site 2 Wetland Surface Water Logs

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 11-5-04	Recorder: Hardin
Station ID: SWA01/SWA01F	On Station: (local) 1035	Off Station: (local) 11:18
Northing (~~NAD83, meters~~) NAD27-FT 473206.7	Easting (~~NAD83, meters~~) NAD27-FT 1471216.8	DGPS Accuracy Estimate (± m): 0.3
Water depth (ft): 0.2	Sample Platform: Vessel ~~Wading~~	Sample Time: (local) 11:10
Sampler (circle one): Direct into Jar	Niskin (capacity)	Other: Peristaltic Pump
Samples Collected (✓) Water Chem. / Phys.	Bioassay	Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.2 ft	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Yellow/Green	Odor: None Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container (ea) #	Size (cc)	Type	Temp(°C) / Pres.
DAA-5001	Seawater	CAS	VOA	2	40	G	4°C
DAA-5001/5002		CAS	SVOC	2	1,000	G	4°C
		Battelle	Pest/PCB	1	1,000	G	4°C
		~~Battelle~~ CAS	Metals	2	1,000	P	4°C/4°C-HNO3
		Alk/Hard ← → CAS		1	250	P	4°C

Field Activities / Comments / Observations: Turbidity may be higher than actual ~~based on dis~~ due to disturbance of fine particles from in-situ probe

DAA-5001 = UNFILTERED, DAA-5002 = Filtered

Field Team Leader Signature _____

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 14OCT04	Recorder: HARDIN
Station ID: ~~SWA04~~ SWA02	On Station: (local) 1530	Off Station: (local) 1600
Northing ~~(NAD83, meters)~~ NAD27, FT 473088.85	Easting ~~(NAD83, meters)~~ NAD27, FT 1471415.51	DGPS Accuracy Estimate (± m): 0.5
Water depth (ft): 0.2	Sample Platform: Vessel / Wading	Sample Time: (local) 1545

Sampler (circle one): Direct into Jar Niskin (capacity) Other: Peristaltic pump into jar

Samples Collected (✓) Water Chem. / Phys. Bioassay Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.2	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Yellow/Green	Odor: None Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA-5W7	Seawater	CAS	VOA	3	40	G	4°C/HCl
DAA-5W7; DAA-5W8	↓	CAS	SVOC	2	1,000	G	4°C
↓	↓	Battelle	Pest/PCBs	1	1,000	G	4°C
↓	↓	CAS	Metals	2	1,000	P	4°C-HNO3/4°C
↓	↓	CAS	Alk/Hard	1	250	P	4°C

Field Activities / Comments / Observations: Turbidity may be higher than actual due to disturbance of fine particles from probe

DAA-5W7 = Unfiltered; DAA-5W8 = Filtered

Field Team Leader Signature: [signature]

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 14 OCT 04	Recorder: HARDIN
Station ID: SWA03	On Station: (local) 1130	Off Station: (local) 1226
Northing ~~(NAD83, meters)~~ NAD 27/FT 473158.98	Easting ~~(NAD83, meters)~~ NAD 27, FT 1471586.33	DGPS Accuracy Estimate (± m): 0.4
Water depth (ft): 0.2	Sample Platform: Vessel (Wading)	Sample Time: (local) 1220

Sampler (circle one): Direct into Jar Niskin (capacity) Other: Peristaltic Pump

Samples Collected (✓) (Water Chem. / Phys.) Bioassay Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.2	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Yellow/Green	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA-SW3	Seawater	CAS	VOA	3	40	G	4°C/HCL
DAA-SW3/DAA-SW4	↓	CAS	SVOC	2	1,000	G	4°C
↓	↓	Battelle	Pest/PCB	1	1,000	G	4°C
		CAS	Metals	2	1,000	P	4°C-HNO_3/4°C
		CAS	Alk/Hard	1	250	P	4°C
		CAS	TPH	2	1,000	G	4°C HCL/4°C
		CAS	Hex Chrom	1	250	~~G~~ P	4°C

Field Activities / Comments / Observations: Turbidity maybe overestimated from probe disturbing fine particles during measurements.

DAA-SW3 = UNFILTERED, DAA-SW4 = Filtered

Field Team Leader Signature _____

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 14OCT04	Recorder: Hardin
Station ID: SWA04	On Station: (local) 1405	Off Station: (local) 1520
Northing ~~(NAD83, meters)~~ NAD27-FT 472969.67	Easting ~~(NAD83, meters)~~ NAD27, FT 1471299.41	DGPS Accuracy Estimate (± m): 0.6
Water depth (ft): 0.2	Sample Platform: Vessel (Wading)	Sample Time: (local) 14:30

Sampler (circle one): Direct into Jar Niskin (capacity) Other: Peristaltic Pump into jar

Samples Collected (✓) (Water Chem. / Phys.) Bioassay Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.2	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Yellow/Green	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA-5005	Seawater	CAS	VOA	3	40	G	4°C / HCL
~~DAA5004-DAA5005~~		CAS	SVOC	2	1,000	G	4°C
DAA-5006 / DAA5006		BATTELLE	Pest/PCB	1	1,000	G	4°C
		CAS	Metals	2	1,000	P	4°C-HNO3/4°C
		CAS	Alk/Hard	1	250	P	4°C
		CAS	TPH	2	1,000	G	4°C-HCl/4°C
		CAS	Cr6	1	250	P	4°C
		STL	Radio.	1	4,000	P	4°C

Field Activities / Comments / Observations: Turbidity may be overestimated, Probe disturbed fine material while insitu.

DAA-5005 = UNFILTERED; DAA-5006 = Filtered

Field Team Leader Signature: [signature]

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 10/14/04	Recorder: K BEARDSLEY
Station ID: SWA05	On Station: (local) 1600	Off Station: (local) 1435 1635 PM
Northing ~~(NAD83, meters)~~ NAD27, FT 472998.90	Easting ~~(NAD83, meters)~~ NAD27, FT 1471650.91	DGPS Accuracy Estimate (± m): ~~PDOP~~ 0.5
Water depth (ft): 0.2	Sample Platform: Vessel (Wading)	Sample Time: (local) 1620

Sampler (circle one): Direct into Jar Niskin (capacity) Other: PERISTALTIC PUMP → JAR

Samples Collected (✓) (Water Chem. / Phys.) Bioassay Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.2	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Clear/yellow-green	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA5009	Seawater	CAS	VOA	3	40	G	4°C/HCl
DAA-5009/DAA5010	↓	CAS	SVOC	2	1,000	G	4°C
↓	↓	Battelle	Pest/PCB	1	1,000	G	4°C
↓	↓	CAS	Metals	2	1,000	P	4°C HNO3/4°C
↓	↓	CAS	Alk./Hard	1	250	P	4°C

Field Activities / Comments / Observations:

DAA-5009 = Unfiltered ; DAA-5010 = Filtered

Field Team Leader Signature _____

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 10/15/04	Recorder: K BEARDSLEY
Station ID: SWA06 + DUPLICATE	On Station: (local) 0815	Off Station: (local) 1020
Northing ~~(NAD83, meters)~~ NAD27, FT 472855.80	Easting ~~(NAD83, meters)~~ NAD 27, FT 1471665.42	DGPS Accuracy Estimate ~~(± m)~~: POOR = 2:6 / 0.4m
Water depth (ft): .2'	Sample Platform: Vessel / Wading	Sample Time: (local) 0915

Sampler (circle one): Direct into Jar Niskin (capacity) Other: PERISTALIC PUMP

Samples Collected (✓): Water Chem. / Phys. Bioassay Other:

General Water Description: CLEAR / YELLOW	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft):	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU): FAIRLY CLEAR IF DON'T STIR BOTTOM SEDIMENT	pH (pH units):
Color: Yellow	Odor: None Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA-5011 / DAA5013	Sediment	CAS	VOA	3	40	G	4°C / HCL
DAA-5011 / DAA5012		CAS	SVOC	2	1,000	P	4°C
DAA-5013 / DAA-5014 (Dup)		Battelle	Pest/PCB	1	1,000	G	4°C
		CAS	Metals	2	1,000	P	4°C HNO3 / 4°C
		CAS	Alk/Hard	1	250	P	4°C
		CAS	TPH	2	~~250~~ 1,000	G	4°C HCL / 4°C
		CAS	Cr^6	1	250	P	4°C
		STL	Radio.	1	4,000	P	4°C

Field Activities / Comments / Observations:

TOOK DUPLICATE SAMPLES AT THIS STATION W/ A SECOND PERISTALIC PUMP.
DUPS LABELED ON CAP "SWA06D" & "SWA06D-F
~~DAA-5011~~ DAA-5011 & DAA-5013 = UNFILTERED; DAA-5012 & DAA-5014 = FILTERED

Field Team Leader Signature: [signature]

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 10/15/04	Recorder: K Pocardley
Station ID: SWA09	On Station: (local) 1105	Off Station: (local) 1205
Northing (~~NAD83, meters~~) NAD27 FT 472593.05	Easting (~~NAD83, meters~~) NAD27 FT 1471745.04	DGPS Accuracy Estimate (~~1 m~~): 2.5 PDOP / 0.4 m
Water depth (ft): 0.3	Sample Platform: Vessel (Wading)	Sample Time: (local) 1130

Sampler (circle one): Direct into Jar Niskin (capacity) Other: Peristalic Pump

Samples Collected (✓): (Water Chem. / Phys.) Bioassay Other:

General Water Description: Thick Yellow, Brown	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.3	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU): VERY TURBID!	pH (pH units):
Color: Yellow/Brown	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA-5015	Seawater	CAS	VOA	3	40	G	4°C/HCL
~~DAA-5016, DAA-5017~~		CAS	SVOC	2	1000	G	4°C
DAA-5015, DAA 5016		Battelle	Pest/PCB	1	1000	G	4°C
		CAS	Metals	2	1000	P	4°C-HNO3/4°C
		CAS	Alk/Hard	1	250	P	4°C
		CAS	TPH	2	1000	G	4°C-HCL/4°C
		CAS	Cr6	1	250	P	4°C
		STL	Radio.	1	4000	P	4°C

Field Activities / Comments / Observations:

DAA-5015 = Unfiltered; DAA-5016 = Filtered

Field Team Leader Signature: [signature]

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 15 OCT 04	Recorder: Hardin
Station ID: SCVA10	On Station: (local) 1215	Off Station: (local) 1300
Northing (~~NAD83, meters~~) NAD27/FT 472,450.32	Easting (~~NAD83, meters~~) NAD27/FT 1,472,041.65	DGPS Accuracy Estimate (~~±1m~~) PDOP=2.15 / 0.3m
Water depth (ft): 0.3	Sample Platform: Vessel (Wading)	Sample Time: (local) 1240

Sampler (circle one): Direct into Jar Niskin (capacity) Other:

Samples Collected (✓) (Water Chem. / Phys.) Bioassay Other: Peristaltic Pump

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.2	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: 1/2 Brown/tan + 1/2 Green alga	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
~~DAA~~-5017	Scum alga	CAS	VOA	3	40	G	4°C/HCL
~~DAA-500~~ gA	↓	CAS	SVOC	2	1000	G	4°C
DAA-5017; DAA5018	↓	Battelle	Pest/PCB	1	1000	G	4°C
↓	↓	CAS	Metals	2	1000	P	4°C-HNO3/4°C
↓	↓	CAS	Alk/Hard	1	250	P	4°C
↓	↓	CAS	TPH	2	1000	G	4°C-HCL/4°C
↓	↓	CAS	Cr6	1	250	P	4°C

Field Activities / Comments / Observations:

DAA-5017 = Unfiltered; DAA-5018 = Filtered

Field Team Leader Signature: [signature]

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 10/14/04	Recorder: Hardin
Station ID: SWA11	On Station: (local) 1630	Off Station: (local) 1715
Northing ~~(NAD83, meters)~~ NAD 27 FT ~~1471784.40~~ 472138.33	Easting ~~(NAD83, meters)~~ NAD 27 FT 1471784.80	DGPS Accuracy Estimate (± m): 0.5
Water depth (ft): 0.5	Sample Platform: Vessel (Wading)	Sample Time: (local) 1650

Sampler (circle one): Direct into Jar Niskin (capacity) Other: Peristaltic Pump → DAC

Samples Collected (✓) Water Chem. / Phys. Bioassay Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.3	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Brown / Green	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA5023	Seawater	CAS	VOA	3	40	G	4°C - HCL
DAA5023; DAA5024		CAS	SVOC	2	1000	G	4°C
		Battelle	PCB/Pest	1	1000	G	4°C
		CAS	Metals	2	1000	P	4°C-HNO3 / 4°C
		CAS	Alk/Hard	1	250	P	4°C

Field Activities / Comments / Observations:

DAA-5023 = unfiltered; DAA-5024 = Filtered

Field Team Leader Signature _____

Continue

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ALAMEDA POINT – IR SITE 2
POND WATER SAMPLING LOG

Project No. G601507	Date: 15 OCT 04	Recorder: Hardin
Station ID: SWA 12	On Station: (local) 1405	Off Station: (local) 1615
Northing ~~(NAD83, meters)~~ NAD27/F1 472029.22	Easting ~~(NAD83, meters)~~ NAD27/F1 1471562.86	DGPS Accuracy Estimate (± m): 0.5
Water depth (ft): 0.5	Sample Platform: Vessel (Wading)	Sample Time: (local) 1500

Sampler (circle one): Direct into Jar Niskin (capacity) Other: Peristaltic pump - Tar

Samples Collected (✓) (Water Chem. / Phys.) Bioassay Other:

General Water Description	Instrument/SN: YSI 6600-EDS /
Sample Depth (ft): 0.3	Temperature (°C):
Salinity (‰):	D.O. (mg/L)
Turbidity (NTU):	pH (pH units):
Color: Brown / Green	Odor: (None) Slight Moderate Strong Petroleum H2S Other

Sample ID	Matrix	Lab	Analysis	Container #	Container Size (cc)	Container Type	Temp(°C) / Pres.
DAA-5019 DAA-5021	Sediment	CAS	VOA	3	40	G	4°C-ACL
DAA-5019; DAA-5020 DAA-5021; DAA-5022		CAS	SVOC	2	1000	G	4°C
		Battelle	Pest/PCB	1	1000	G	4°C
		CAS	Metals	2	1000	P	4°C-HNO_3/4°C
		CAS	Alk/Hard	1	250	P	4°C
		CAS	TPH	2	1000	G	4°C-ACL/4°C
		CAS	Cr 6	1	250	P	4°C
		STL	Radio	1	4000	P	4°C

Field Activities / Comments / Observations: Duplicate samples collected for MS/MSD

DAA-5019 + DAA-5021 = unfiltered; DAA-5020 + DAA-5022 = filtered

Field Team Leader Signature: [signature]