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VOLUME 2 OF 3
APPENDICES A THROUGH M
DATA SUMMARY REPORT
SUPPLEMENTAL REMEDIAL INVESTIGATION
DATA GAP SAMPLING FOR
OPERABLE UNITS 1 AND 2

ALAMEDA POINT
ALAMEDA, CALIFORNIA

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ABBREVIATIONS AND ACRONYMS

BTEX	Benzene, toluene, ethylbenzene, and xylenes
bgs	Below ground surface
BSU	Bay Sediment Unit
CAA	Corrective action area
CAP	Corrective action plan
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLEAN	Comprehensive Long-term Environmental Action Navy
COC	Chemicals of concern
Cr (III)	Trivalent chromium
Cr (VI)	Hexavalent chromium
DNAPL	Dense, nonaqueous-phase liquid
DQO	Data quality objective
EBS	Environmental baseline survey
EPA	U.S. Environmental Protection Agency
ERV	Environmental reference value
FLCAA	Flight line corrective action area
FS	Feasibility study
FSP	Field sampling plan
FTA	Fire Training Area
IDW	Investigation-derived waste
IWTP	Industrial waste treatment plant
LNAPL	Light, nonaqueous-phase liquid
MCL	Maximum Contaminant Level
NAPL	Nonaqueous-phase liquid
Navy	U.S. Department of the Navy
OU	Operable unit
PCB	Polychlorinated biphenyl
PDB	Passive diffusion bag
PRG	Preliminary Remediation Goal
QAPP	Quality assurance project plan
RI	Remedial investigation
RI/FS	Remedial investigation/feasibility study
RNS	Ribbon NAPL sampler

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ABBREVIATIONS AND ACRONYMS (Continued)

SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbons
TPH	Total petroleum hydrocarbons
TPPH	Total purgeable petroleum hydrocarbons
TtEMI	Tetra Tech EM Inc.
UST	Underground storage tank
VOC	Volatile organic compound

APPENDIX A
DATA QUALITY OBJECTIVES
(17 Pages)

TABLE A-1
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 6
ALAMEDA POINT

STEP 1 **State the Problem**	STEP 2 **Identify the Decisions**	STEP 3 **Identify the Inputs to the Decisions**	STEP 4 **Define Study Boundaries**	STEP 5 **Develop Decision Rules**	STEP 6 **Specify Tolerable Limits on Errors**	STEP 7 **Optimize Sampling Design**
(1) Delineation of Contaminant Plume in Groundwater: The boundaries of the contaminant plume (VOCs BTEX, TPH) in groundwater at Site 6 have not been sufficiently characterized laterally or vertically to evaluate remedial actions. Additional wells are needed to monitor the status of the plume; however, placement of these monitoring wells requires more detailed knowledge of the extent of the plume. **(2) Evaluation of Storm Sewers as A Possible Preferential Pathway:** Storm sewers that intersect contaminant plumes may provide a preferential pathway for offsite migration of contaminants into Oakland Inner Harbor, but critical data to evaluate this potential pathway are lacking. **See Table A-8 for detailed description of this DQO.**	(1) Has the plume migrated laterally and vertically through the first WBZ, such that the second WBZ, and off-site areas are impacted?	(1) Existing analytical data for groundwater samples collected during previous investigations (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment.) Proposed analytical data for VOCs and TPH in groundwater samples obtained using direct-push methods.	(1) The lateral extent of the study area will extend just beyond the outer edge of the contaminant plume in all directions Vertical boundary will be the fill/bay sediment interface and into first sand lenses of the bay sediment unit. Temporal boundary for the field work will consist of a single sampling event. Additional time will be needed to analyze the samples and evaluate the analytical data.	(1a) If the solvent plume has migrated such that contaminants are found in the second WBZ, bay sediment unit, or off-site areas, then evaluate the risks, install a well to monitor contaminants in the second WBZ, plan to conduct long-term monitoring to assess potential for (or progress of) natural attenuation, and evaluate the need for remedial action. (1b) If contaminants are determined not to have affected the second WBZ, bay sediment unit, or off-site areas, then continue monitoring the plume in the first WBZ.	(1) Because this sampling design is judgmental, rather than random, statistical analysis of existing data is not needed to determine the number and location of samples. Instead, the location and number of samples and monitoring wells were selected on the basis of knowledge gained during the RI (see EPA 1999). Tolerable errors on analytical results are specified by criteria for measurement quality objectives described in the QAPP.	(1) The tolerable errors for analytical results are covered in DQO Step 6 and represent the highest level of confidence that can be achieved given the analytical methods and the budget constraints for the project. The chemical and physical data acquired during this phase of the site investigation will be used to select and refine possible remedial options. New and existing analytical data will be evaluated to determine sampling locations. Step-out sampling will be used to optimize sampling design and direct selection of sampling locations.

TABLE A-1
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 6
ALAMEDA POINT
(Page 2 of 2)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
(3) Soil Gas for Risk Assessment: Data for VOC concentrations in soil gas samples are needed to realistically model the possible contribution of volatile contaminants to indoor air. This information is needed to assess risk associated with the inhalation of indoor air. **See Table A-9 for detailed description of this DQO.**						

Notes:

BTEX	Benzene, toluene, ethylbenzene, and xylenes	QAPP	Quality assurance project plan
bgs	Below ground surface	RI	Remedial investigation
DQO	Data quality objective	WBZ	Water-bearing zone
EPA	U.S. Environmental Protection Agency	VOC	Volatile organic compound
TPH	Total petroleum hydrocarbons		

TABLE A-2
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 14
ALAMEDA POINT
(Page 1 of 3)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
(1) Delineation of Contaminant Plumes in Groundwater: Historical data indicate that TPH has contaminated groundwater near Building 528 and GAP 9; however, the extent of TPH contamination in groundwater is unknown in these areas. The vertical extent of the VOC plume is poorly defined at Site 14, because it is unknown whether the bay sediment unit acts as a confining layer, so remedial options cannot be evaluated without obtaining geotechnical and lithologic data. Also, VOCs have been detected in groundwater samples from the second WBZ, but the pathway for downward migration of contaminants is unknown. **(2) Assess Extent of Dioxins in Soil in Support of Removal**	(1) What is the lateral extent of TPH contamination near Building 528 and GAP 9 and the vertical extent of the VOC plume in groundwater in the northern portion of Site 14? (2) What is the extent of dioxins in the soil at the northern FTA and what is the potential for migration via surface-water runoff to Oakland Inner Harbor?	(1) Existing analytical data for soil and groundwater samples collected during previous investigations (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment.) Proposed analytical data for TPH and VOCs in soil and groundwater samples from Site 14. Water-level data for shallow groundwater. (2) Existing validated analytical data for soil samples from the potential southern FTA Proposed analytical data for dioxins in selected soil samples from the northern FTA and sediment samples in the storm sewer system. (1 and 2) Soil and groundwater screening levels for TPPH, TEPH, VOCs, and dioxins.	The lateral extent of the study area is the perimeter of IR Site 14. The vertical extent of the study area extends from the ground surface and downward into the second WBZ. Temporal boundary for the field work will consist of a single sampling event. Additional time will be needed to analyze the samples and evaluate the analytical data.	(1a) If the lateral extent of TPH contamination in groundwater is not adequately defined by existing monitoring wells and the vertical extent of VOC contamination in the northern portion of Site 14 extends to the second WBZ, then expand the monitoring well network for long-term monitoring accordingly. (1b) If the lateral extent of TPH contamination in groundwater is adequately defined by existing monitoring wells and the vertical extent of VOC contamination in the northern portion of Site 14 extends to the second WBZ, then expand the monitoring well network for long-term monitoring accordingly. (2a) If sample results indicate that dioxins are migrating in surface-water runoff into the Oakland Inner Harbor, then remove the dioxin source in soil as defined by the sampling during the removal action and evaluate alternatives to eliminate the surface migration pathway.	This sampling design is based on judgmental sampling to delineate plume boundaries, rather than a purely random design. Therefore, as acknowledged in EPA guidance (EPA 1999), sample locations and number of samples are based on knowledge gained during the RI, rather than on statistical analysis of existing data. Tolerable errors on analytical results are specified by criteria for measurement quality objectives described in the QAPP.	The tolerable errors for analytical results are covered in DQO Step 6 and represent the highest level of confidence that can be achieved given the analytical methods and the budget constraints for the project. The chemical and physical data acquired during this phase of the site investigation will be used to select and refine possible remedial options

TABLE A-2
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 14
ALAMEDA POINT
(Page 2 of 3)

STEP 1 State the Problem	STEP 2 Identify the Decisions	STEP 3 Identify the Inputs to the Decisions	STEP 4 Define Study Boundaries	STEP 5 Develop Decision Rules	STEP 6 Specify Tolerable Limits on Errors	STEP 7 Optimize Sampling Design
Action: Dioxins have been found in surface soils at the northern FTA, but the lateral and vertical extent have not been defined for a planned removal action. In addition, the potential for lateral migration into Oakland Inner Harbor via surface-water runoff has not been evaluated (see 3 below). **(3) Evaluation of Storm Sewers as A Possible Preferential Pathway:** Storm sewers that intersect contaminant plumes may provide a preferential pathway for offsite migration of contaminants into Oakland Inner Harbor, but critical data to evaluate this potential pathway are lacking. **See Table A-8 for detailed description of this DQO.** **(4) Soil Gas for Risk Assessment:** Data for VOC concentrations in soil gas samples are needed to realistically model the possible contribution of volatile				(2b) If dioxins are found not to be migrating in surface-water runoff, then remove the dioxin source in soil as defined by the sampling and eliminate the surface migration pathway from further evaluation.		

TABLE A-2
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 14
ALAMEDA POINT
(Page 3 of 3)

STEP 1 State the Problem	STEP 2 Identify the Decisions	STEP 3 Identify the Inputs to the Decisions	STEP 4 Define Study Boundaries	STEP 5 Develop Decision Rules	STEP 6 Specify Tolerable Limits on Errors	STEP 7 Optimize Sampling Design
contaminants to indoor air. This information is needed to assess risk associated with the inhalation of indoor air. **See Table A-9 for detailed description of this DQO.** **(5) Chromium Speciation in Soil for Risk Assessment:** The presence of chromium in soils at Site 14 requires speciation analysis to evaluate whether unacceptable levels of Cr(VI) are present. **See Table A-7c for detailed description of this DQO.**						

Notes:

TPPH	Total purgeable petroleum hydrocarbons	WBZ	Water-bearing zone
TEPH	Total extractable petroleum hydrocarbons	TPH	Total petroleum hydrocarbon
VOC	Volatile organic compound	RI	Remedial investigation
DQO	Data quality objective	FTA	Fire training area
GAP	Generation accumulation point	QAPP	Quality assurance project plan
Cr(VI)	Hexavalent Chromium		

TABLE A-3
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 15
ALAMEDA POINT
(Page 1 of 1)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
(1) Soil data to support Removal Actions: Lead- and PCB-contaminated soils have been identified in Site 15 and must be removed to prevent further lateral movement into the low-lying wetlands area along the Oakland Inner Harbor, where contaminants could pose an unacceptable risk. The overall objective of the DGS investigation at Site 15 is to delineate boundaries of known areas of contamination in support of a removal action at the site. **(2) Chromium Speciation in Soil for Risk Assessment:** The presence of chromium in soils at Site 15 requires speciation analysis to evaluate whether unacceptable levels of Cr(VI) are present. **See Table A-7c for detailed description of this DQO.**	(1) Do concentrations of lead and PCBs in soils in the wetlands area of Site 15 (north of the installation boundary fence line) exceed applicable ERVs?	(1) Existing analytical data for soil samples collected during previous investigations (both qualitative and quantitative data for site assessment and removal actions; validated and defensible data for risk assessment.) Proposed analytical data for lead and PCB concentrations in surface (0.5-1 feet bgs) and subsurface (1-3 feet bgs) soil samples. Site-specific screening levels and/or ERVs for lead and PCBs.	(1) The lateral boundary of the study area includes surface soil (0 to 3 feet bgs) between the northern installation boundary fence line and the Oakland Inner Harbor (wetland area of Site 15) to where lead and PCB concentrations are determined to be below applicable ERVs or to the east and west boundaries of the site. The vertical boundary of the study extends to approximately 3 feet bgs Temporal boundary for the field work will consist of a single sampling event. Additional time will be needed to analyze the samples and evaluate the analytical data.	(1a) If concentrations of lead and PCBs in surface or subsurface soil samples collected in the wetland are of Site 15 exceed applicable ERVs, then further removal action is required. (1b) If concentrations of lead and PCBs in surface or subsurface soil samples collected in the wetland area of Site 15 do not exceed ERVs, then no further removal action and no further assessment of risk to ecological receptors in Oakland Inner Harbor are necessary.	COCs for Site 15 were identified during the RI; therefore, the objective of current sampling is to delineate the boundaries of known areas of contaminated soils in support of removal action. Because this is a judgmental, rather than random sampling design, statistical analysis of existing data is not needed to determine the number and location of samples. Sample locations and number of samples were selected on the basis of knowledge gained during the RI. Analytical data for soil samples within a given area may be compiled as a population and statistically compared to the cleanup standard to evaluate whether concentrations within the area exceed cleanup levels, with a known confidence and power (these can be calculated using sample data). Tolerable errors on analytical results are specified in the QAPP.	The tolerable errors for analytical results are covered in DQO Step 6, and represent the highest level of confidence that can be achieved given the analytical methods and the budget constraints for the project. The chemical and physical data acquired during this phase of the site investigation will be used to select and refine possible remedial options.

Notes:

ERV	Ecological risk value	DGS	Data gap sampling
bgs	Below ground surface	CBs	Polychlorinated biphenyls
RI	Remedial investigation	Cr(VI)	Hexavalent chromium
DQO	Data quality objective	QAPP	Quality assurance project plan
COC	Chemicals of concern		

TABLE A-4
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 16
ALAMEDA POINT
(Page 1 of 2)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
(1) Plume Delineation: Site-related contaminants have been identified in groundwater (DCB, TCE, and TPH) at Site 16; however the lateral and vertical extent of the contamination is not characterized sufficiently to conduct removal actions or evaluate remedial options. **(2) Characterization of Soil and Groundwater Contamination:** Chlordane was previously detected in soil and groundwater samples associated with removal of UST 608-1; however, the lateral and vertical extent of the contamination is not characterized sufficiently to conduct removal actions or evaluate remedial options. **(3) Soil Gas for Risk Assessment:** Data for VOC concentrations in	(1a) What is the lateral and vertical extent of DCB, TCE, and TPH contamination in groundwater? (1b) Do concentrations of these contaminants in groundwater and soil pose an unacceptable at Site 16? (2) Do concentrations of chlordane in soil and groundwater pose an unacceptable risk at Site 16?	(1 and 2) Existing analytical data for soil and groundwater samples collected during previous investigations (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment.) (1 and 2) Proposed analytical data and field data for VOCs and TPH in groundwater, and chlordane in soil and groundwater. Site-specific screening levels.	(1) The lateral boundary of the study area will extend beyond the outer edge of the DCB ,TCE, and TPH plume areas in all directions, using step-out sampling until contaminant concentrations are non-detect or less than screening levels. The vertical boundary of the groundwater study area will extend from ground surface down to the top of the Yerba Buena Mud for the VOC and TPH (2) The lateral extent of soil and groundwater sampling for chlordane near building 608 will be restricted to the immediate area of the former tank excavation. Soil sampling for chlordane will be restricted to the vadose and water table fluctuation zones. One filtered groundwater sample will be collected from downgradient well MWC2-3.	(1a) If the contaminant plumes in groundwater have limited lateral and vertical extent, then use the existing monitoring well network for long-term monitoring. Reevaluate risks and evaluate remedial alternatives as appropriate. (1b) If the groundwater contamination is laterally and vertically widespread, then reevaluate risks, complete design of groundwater monitoring network, and evaluate remedial alternatives as appropriate. (2a) If the chlordane contamination has limited lateral and vertical extent, then use existing data to reevaluate risks and evaluate remedial alternatives as appropriate. (2b) If the chlordane contamination is laterally and vertically widespread, then reevaluate risks, complete design of groundwater monitoring network, and evaluate remedial alternatives as appropriate.	Because the study objective is to determine the extent of contaminant plumes, this is a biased sampling design (see EPA 1999). Therefore a statistically based sampling design and statistical analysis of existing data are not needed to determine the number and location of samples. The proposed locations and numbers of samples for the DCB plume were selected based data collected during the RI, removal actions, and EBS program, and should resolve outstanding data gaps at the site. Tolerable errors on analytical results are specified in the QAPP.	The tolerable errors for analytical results are covered in DQO Step 6, and represent the highest level of confidence that can be achieved given the analytical methods and the budget constraints for the project. The chemical and physical data acquired during this phase of the site investigation will be used to select and refine possible remedial options.

TABLE A-4
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CERCLA SITE 16
ALAMEDA POINT
(Page 2 of 2)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
soil gas samples are needed to realistically model the possible contribution of volatile contaminants to indoor air. This information is needed to assess risk associated with the inhalation of indoor air. **See Table A-9 for detailed description of this DQO.**			The field investigation will consist of a single sampling event.			

Notes:

DCB	Dichlorobenzene
DQO	Data quality objective
EBS	Environmental Baseline Survey
EPA	U.S. Environmental Protection Agency
QAPP	Quality assurance project plan
RI	Remedial investigation
TCE	Trichloroethene
TPH	Total petroleum hydrocarbon
VOC	Volatile organic compound

TABLE A-5
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
GROUNDWATER PLUME DELINEATION AT OPERABLE UNIT 2
ALAMEDA POINT
(Page 1 of 1)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
Groundwater Plume Delineation: Existing analytical data indicate VOCs and TPH in groundwater; however, the lateral and vertical extent of VOCs and TPH at concentrations exceeding MCLs for groundwater have not been adequately delineated in some areas, and, therefore, remedial options cannot be properly evaluated and a monitoring well network for a long-term monitoring plan cannot be developed .	(1) Have the lateral and vertical boundaries of the groundwater plumes been defined to MCL values? (2) Are TPH plumes co-mingled with chlorinated VOC plumes?	Existing analytical data for groundwater samples collected during previous investigations (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment.) Proposed analytical data for groundwater samples collected during data-gap sampling (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment). Geologic and hyrdrogeologic data for the site. Location of underground utilities.	For groundwater, the lateral and vertical extent includes the first WBZ beneath and immediately downgradient of the site. The temporal boundary is scheduled as a single sampling event, to be conducted before 2002.	(1a) If the lateral and vertical boundary of the VOC or TPH plume has been defined to MCL values, then no further boundary sampling is necessary. (1b) If the lateral and vertical boundary of the VOC or TPH plume has not been defined, then step-out sampling will be conducted until the plume boundaries are delineated to MCL values. (2a) If TPH plumes are not co-mingled with chlorinated VOCs, then site is managed under the Corrective Action Program. (2b) If TPH plumes are co-mingled with chlorinated VOCs, then maintain investigation under IR program.	Measurement quality objectives specify criteria for the laboratory analysis of samples (see Section B4 of the QAPP). The number and location of samples are based on knowledge of site history, as well as existing analytical data. Delineating the extent of a contaminant plume requires a judgmental rather than statistical sampling design; see EPA 1999.	New and existing analytical data will be evaluated to determine sampling locations. Step-out sampling will be used to optimize sampling design and direct selection of sampling locations. Sampling locations will be used to isolate the smallest area of contamination practicable, if risks are unacceptable and removal actions are to be considered.

Notes:

EPA U.S. Environmental Protection Agency
IR Installation restoration
WBZ Water-bearing zone
TPH Total petroleum hydrocarbons
VOCs Volatile organic compounds

TABLE A-6
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
DENSE NON-AQUEOUS PHASE LIQUID CHARACTERIZATION AT OPERABLE UNIT 2
ALAMEDA POINT
(Page 1 of 2)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
DNAPL Characterization: Chlorinated VOCs in the form of DNAPLs may persist at Sites 4, 5, and 11/21; however, the distribution of DNAPLs has not been adequately characterized or may have been modified by recent environmental activities at the sites.	(1) Do the qualitative data collected from RNS and current quantitative analytical data for groundwater samples indicate the presence of DNAPL at the locations where historical soil and groundwater data indicated the presence of NAPLs? (2) Have the DNAPL boundaries in soil been adequately identified for efficient evaluation of remedial alternatives? (3) Has DNAPL migrated into the Bay sediment unit or below the low permeability interface between alluvial and fluvial facies of the Merritt Sand Formation at Site 5?	Existing analytical data for soil and groundwater samples collected during previous investigations (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment.) Removal actions and pilot-scale treatability studies performed at Site 5 that have modified the distribution and migration flow-paths of chemicals. Proposed analytical data for VOCs in soil and groundwater, and water quality parameters in DNAPL areas. Geological and hydrogeological data. Lithologic testing to determine presence and extent of less permeable layers.	The lateral boundary encompasses soil and groundwater within the area of suspected DNAPL contamination, subject to step-out locations where analytical data indicate the presence of DNAPLs. The vertical boundary extends from the ground surface to the top of the Yerba Buena Mud . The temporal boundary is scheduled as a single sampling event.	(1a) If the qualitative NAPL sampler and confirmation groundwater samples do not indicate the presence of DNAPL (less than 1percent of the theoretical solubility for these organic constituents), then no additional characterization for DNAPLs will be necessary. (1b) If the qualitative NAPL sampler and confirmation groundwater samples do indicate the presence of DNAPLs, then as many as two step-out samples will be collected. (2a) If the boundaries of DNAPL contamination have been adequately identified to allow efficient application of a remedial alternative, then proceed with remediation. (2b) If the distribution of DNAPLs has not been adequately characterized to allow efficient application of a remedial alternative, then lateral and vertical step-out sampling will be performed to define the distribution	Sampling locations will be based on knowledge of potential release areas (professional judgment rather than statistical sampling design; see EPA 1999). Measurement quality objectives are specified in Section B4 of the QAPP.	Data obtained from the data-gap sampling will be used to develop boundaries for the implementation of a remedial alternative. Step-out samples collected using the qualitative NAPL sampler will be used to optimize collection of confirmation samples for quantitative analysis. Samples indicating presence of NAPLs will be vertically sited within 3 inches of the interface of geological formations that represent a significant change in capillary resistance (i.e. sample collection to occur across discernible formation changes).

TABLE A-6
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
DENSE NON-AQUEOUS PHASE LIQUID CHARACTERIZATION AT OPERABLE UNIT 2
ALAMEDA POINT
(Page 2 of 2)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
		Lateral and vertical hydraulic gradients. Physical properties of saturated porous soils at Site 5.		boundaries within the first WBZ. (3a) If DNAPL has migrated below the first WBZ and into the underlying sediments or beyond the Bay sediment unit alluvial/fluvial interface of Merritt Sand Fm, then conduct vertical step-down/step-out sampling to define extent of DNAPL migration. (3b) If DNAPL has not migrated below below the first WBZ and into the underlying sediments or beyond the alluvial/fluvial interface of Merritt Sand Fm, then install a monitoring well screened in the next deeper sand layer/interface to monitor for possible breakthrough.		

Notes:

DNAPL	Dense nonaqueous phase liquids	RNS	Ribbon NAPL Sampler
EPA	U.S. Environmental Protection Agency	VOC	Volatile organic compound
NAPL	Nonaqueous phase liquids	WBZ	Water-bearing zone
QAPP	Quality assurance project plan		

TABLE A-7a
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
SOIL REMOVAL ACTION AREA DELINEATION AT OPERABLE UNIT 2
ALAMEDA POINT
(Page 1 of 1)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
Soil Data to Support Removal Actions: Existing analytical data for soil samples show isolated areas of cadmium soil contamination at the Site 4 and Site 5 plating shops that pose unacceptable risks to human health; however, the boundaries of these areas have not been fully defined to allow early removal actions.	(1a) Do new data indicate that removal action is warranted at the localized areas of elevated concentrations? (1b) Are the isolated areas of chemicals in soil attributable to a specific source? (1c) Are the isolated areas of elevated concentrations adequately characterized to allow early removal actions?	(1) Existing analytical data (validated and defensible) for soil samples collected during previous investigations. Proposed analytical data (validated and defensible) for soil samples collected during data gap sampling Geological data. Site-specific remediation goals. Toxicological and risk management data.	The vertical boundaries for the proposed removal action areas are shallow soil (surface to about 10 feet bgs). The lateral boundaries will be based on site-specific cleanup goals and step-out sampling. The temporal boundary for field work is scheduled as a single sampling event. Additional time will be required for evaluation and reporting of the analytical data.	(1a) If additional data indicate that a removal action is not warranted, then no removal action will be conducted. If additional data indicate that a removal action is warranted, then the boundary of the removal action area will be defined. (1b) If a primary source can be identified, sample locations will be based on the source location and potential release mechanism. If a primary source cannot be identified, sampling locations will be selected based on the area of elevated concentrations. (1c) If the areas of elevated concentrations are adequately characterized and delineated, removal action boundaries will be defined and removal action will proceed. Confirm-ation sampling will be conducted to ensure site-specific cleanup goals are achieved. If areas of elevated concentrations are not adequately characterized and delineated, step-out sampling to define removal action boundaries will be performed.	Measurement quality objectives specify criteria for the laboratory analysis of samples (see Section B4 of the QAPP for details). The number and location of samples are based on knowledge of site history, as well as existing analytical data. Delineating the extent of areas of elevated concentrations will require a sampling plan based on professional judgment rather than statistical criteria (see EPA 1999).	New and existing analytical data will be evaluated to determine sampling locations. Sampling locations will be used to isolate the smallest area of contamination practicable, if risks are unacceptable and removal actions are to be considered.

Notes:

bgs Below ground surface
QAPP Quality assurance project plan
EPA U.S. Environmental Protection Agency

TABLE A-7b
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
METALS INVESTIGATION AT OPERABLE UNIT 2
ALAMEDA POINT
(Page 1 of 1)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
Metals Investigation: Existing analytical data indicate cadmium and chromium are present in soil above screening levels near suspected sources such as the Site 4 IWTP and also lead in soil from an unknown source at Site 3; however, the lateral and vertical extent of metals at concentrations exceeding screening levels have not been adequately delineated in some areas. The scope of proposed soil removal actions cannot be properly evaluated. Risk may be posed by metals in groundwater associated with a release from suspected sources.	(1) Are metals concentrations in soil above screening levels? (2) Is soil above screening levels isolated in extent to allow early removal actions? (3) Do metal concentrations in groundwater pose a risk to human health and the environment?	Existing analytical data for soil and groundwater samples collected during previous investigations (both qualitative and quantitative data for plume delineation; validated and defensible data for risk assessment.) Geologic and hydrogeologic data for the site. Location of underground utilities. Proposed land reuse and groundwater beneficial use. Completed exposure pathways.	For soil, the vertical boundary is 10 feet bgs. The lateral boundary will be based on site-specific cleanup goals (residential PRGs) and step-out criteria. The temporal boundary is scheduled as a single sampling event, to be conducted before 2002.	(1a) If metal concentrations are above screening levels then conduct step-out sampling until the boundaries are defined. (1b) If metal concentrations are not above screening levels, then conduct no further action. (2a) If elevated concentrations in soil are isolated in extent, define removal action boundaries and proceed with soil removal action. (2b) If elevated concentrations in soil are not isolated in extent, then evaluate remedial alternatives. (3a) If elevated metal concentrations are detected in groundwater, then evaluate risks associated with human health and environment. (3b) If elevated metal concentrations are not detected in groundwater, then conduct no further action.	Measurement quality objectives specify criteria for the laboratory analysis of samples (see Section B4 of the QAPP for details). The number and location of samples are based on knowledge of site history, as well as existing analytical data. Delineating the extent of a contaminant plume requires a judgmental rather than statistical sampling design; see EPA 1999.	New and existing analytical data will be evaluated to determine sampling locations. Step-out sampling will be used to optimize sampling design and direct selection of sampling locations. Sampling locations will be used to isolate the smallest area of contamination practicable, if risks are unacceptable and removal actions are to be considered.

Notes:

EPA U.S. Environmental Protection Agency
IR Installation restoration
IWTP Industrial Waste Treatment Plant
PRG Preliminary Remediation Goal
MCL Maximum Contaminant Level
WBZ Water-bearing zone

TABLE A-7c
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
CHROMIUM SPECIATION IN SOIL FOR RISK ASSESSMENT
ALAMEDA POINT
(Page 1 of 1)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
Chromium Speciation for risk assessment: The presence of chromium in soils at Sites 4, 5, 8, 14, 15, 21, and 23 requires speciation analysis to evaluate whether unacceptable levels of Cr(VI) are present.	Is chromium present in soils as acceptable levels of Cr(III), or in unacceptable concentrations of Cr(VI)?	Existing RI analytical data (validated and defensible). Proposed analytical data for speciated chromium in soil. Toxicological and risk management data.	The lateral extent of the study area is the perimeter of IR Site 14. The vertical extent of the study area extends from the ground surface and downward into the second WBZ. Temporal boundary for the field work will consist of a single sampling event. Additional time will be needed to analyze the samples and evaluate the analytical data.	(a) If results of chromium speciation analysis indicate that levels of Cr(VI) are above action levels, then remedial action may be necessary to reduce risk. (b) If results of chromium speciation analysis indicate that levels of Cr(VI) are less than action levels, then no remedial action for Cr(VI) is needed.	This sampling design is based on judgmental sampling to delineate plume boundaries, rather than a purely random design. Therefore, as acknowledged in EPA guidance (EPA 1999), sample locations and number of samples are based on knowledge gained during the RI, rather than on statistical analysis of existing data. Tolerable errors on analytical results are specified by criteria for measurement quality objectives described in the QAPP.	The tolerable errors for analytical results are covered in DQO Step 6 and represent the highest level of confidence that can be achieved given the analytical methods and the budget constraints for the project. The chemical and physical data acquired during this phase of the site investigation will be used to select and refine possible remedial options

Notes:

TPPH	Total purgeable petroleum hydrocarbons	RI	Remedial investigation
VOC	Volatile organic compound	WBZ	Water-bearing zone
DQO	Data quality objective	QAPP	Quality assurance project plan
GAP	Generation accumulation point	TEPH	Total extractable petroleum hydrocarbons
FTA	Fire training area	TPH	Total petroleum hydrocarbon
Cr(VI)	Hexavalent Chromium		

TABLE A-8
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
STORM SEWER EXPOSURE PATHWAYS
ALAMEDA POINT
(Page 1 of 2)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
Storm Sewer Pathway Evaluation: During historical operations at Alameda Point, industrial wastes were disposed of in the storm sewer system. This system has two pathways that need to be addressed with respect to contaminant migration: (1) Preferential flow of contaminated groundwater from IR sites to surface water through the storm sewer bedding material. (2) Preferential flow of contaminated groundwater from IR sites to surface water from infiltration of groundwater through cracks or	(1a) Is bedding material with higher hydraulic conductivity than surrounding artificial fill material present beneath the storm-sewer lines? (1a) If bedding material is present, do groundwater chemical concentrations intersecting the bedding material exceed MCL/ERVs, providing a preferential flow path for contaminated groundwater from IR sites to surface water at concentrations that pose unacceptable risk to the environment? (2) Do damaged storm sewer lines provide a preferential flow path for contaminated groundwater from	Existing analytical data (validated and defensible) collected during the storm sewer investigation under EBS and IR programs. Proposed soil and sediment analytical (validated and defensible) data from samples collected inside and outside of the storm-sewer lines. Proposed groundwater infiltration data from water samples collected within isolated sections of the storm sewer lines (immediately downstream of the plumes and at the last manhole closest to the outfalls). Existing and proposed geological and hydrogeological data. Existing video survey of data available for certain sections of the storm sewer lines. The video logs provide	Common boundaries for the two pathways are: (i) Storm sewer lines considered include those within OU-2 boundaries and lines downgradient from OU-2 areas. Storm sewer sections downstream of groundwater plume areas will be isolated from upgradient flow that originates from outside of the plume area and also from potential down-gradient tidal influences. From a specified manhole or catch basin just down-stream of the plume area, water samples will be collected to determine concentrations of chemicals infiltrating into the storm sewer lines through cracks or breaks. (ii) Temporal boundary of the data gap study is scheduled as a single sampling event, followed by evaluation of analytical data for samples. Pathway-specific boundaries for storm sewer investigation are: (1) Bedding Material: The lateral and vertical boundaries consist of the length	The decision rules for the three pathways are: (I) Bedding Material: (1a1) If geotechnical samples indicate the absence of bedding material (hydraulic conductivity of the bedding material is comparable to that of the formation), then this pathway will not be evaluated further. (1a2) If geotechnical samples indicate existence of bedding material, then chemical concentrations in groundwater plumes intersecting the bedding material will be compared to the MCL/ERVs. (1b1) If groundwater chemical concentrations intersecting the bedding material do not exceed MCL/ERVs, then the bedding material pathway will not be evaluated further. (1b2) If groundwater chemical concentrations intersecting the bedding material exceed MCL/ERVs, then bedding material water samples will be collected from step-outs along the bedding material. If the predicted discharge concentrations or the discharge point bedding material concentrations do not exceed the MCL/ERVs, then the pathway will not be evaluated further. Otherwise, the RI/FS process will develop and analyze remedial alternatives for addressing this pathway. (2) Flow through the pipe: (2a) If chemical concentrations in groundwater	Measurement quality objectives specify criteria for the laboratory analysis of samples (see Section B4 of the QAPP). The number and location of samples are based on knowledge of site history and location of sewer lines, as well as existing analytical data. Accessibility and distribution of potentially impacted lines requires a judgmental rather than statistical sampling design (see EPA 1999)	New and existing analytical data will be evaluated to determine sampling locations. Sampling locations will be used to isolate the smallest section of line practicable that requires remedial action.

TABLE A-8
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
STORM SEWER EXPOSURE PATHWAYS
ALAMEDA POINT

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
breaks in the storm sewer pipes.	IR sites to surface water at concentrations that pose unacceptable risk to the environment?	visual evidence of the physical integrity of the lines. Existing storm sewer invert elevation data. Existing toxicological and risk management data. Ecological remedial goals identified for groundwater contaminants at OU-1 and OU-2.	of the line, and the thickness and width of the bedding material. Both soil and groundwater samples may be collected as a part of the investigation. (2) Flow through the pipe: The lateral and vertical boundaries for this pathway are limited to the lengths of storm sewer line downstream of groundwater plume areas to the outfall. Water samples will be collected from specified manholes or catch basins within isolated sections of the storm lines.	infiltrating damaged storm-sewer lines do not exceed ERVs, then this pathway will not be evaluated further. (2b) If chemical concentrations in groundwater infiltrating into the storm-sewer lines near the plume exceed ERVs, then water samples will be collected at the last accessible manhole or catch basin prior to the outfall, which is the discharge point to the Bay. If the predicted discharge concentrations or the discharge point concentrations do not exceed ERVs, then the pathway will not be evaluated further. Otherwise, storm sewer data will be used during the RI/FS process to develop and analyze remedial alternatives for addressing this pathway.		

Notes:

EBS Environmental baseline study
OU Operable unit
IR Installation restoration
EPA U.S. Environmental Protection Agency
WBZ Water-bearing zone

TABLE A-9
DATA QUALITY OBJECTIVES FOR DATA GAP SAMPLING
SOIL GAS FOR INDOOR AIR PATHWAY
ALAMEDA POINT
(Page 1 of 1)

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
State the Problem	**Identify the Decisions**	**Identify the Inputs to the Decisions**	**Define Study Boundaries**	**Develop Decision Rules**	**Specify Tolerable Limits on Errors**	**Optimize Sampling Design**
Soil Gas for Risk Assessment: In addition to the two problems listed above, data for volatile organic compound (VOC) concentrations in soil gas samples are needed to realistically model the possible contribution of volatile contaminants to indoor air. This information is needed to assess risk associated with the inhalation of indoor air.	Are measurable concentrations of VOCs present in soil gas above the contaminant plume in groundwater?	Analytical data for soil gas samples collected from locations directly above the contaminant plume Johnson-Ettinger Model and assumptions used in estimating risk due to inhalation of volatilized contaminants in indoor air.	The lateral extent of the soil gas sampling consists of single, discrete points. Vertical boundaries at each discrete sampling point consist of the soil column from the surface to the top of the water table. Temporal boundary for the field work will consist of a single sampling event. Additional time will be needed to analyze the samples and evaluate the analytical data.	(a) If measurable concentrations of VOCs are present in soil gas above the contaminant plume in groundwater, then these values will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air. (b) If concentrations of VOCs are not present in soil gas samples collected from above the contaminant plume in groundwater, then the need to model indoor air risk will be re-evaluated.	The number and location of samples are based on knowledge of site history and location of ground-water contaminant plumes, as well as existing analytical data and requirements for the soil gas model., which requires a judgmental rather than statistical sampling design (see EPA 1999).	Soil gas samples will be collected from at least two depths including the near surface (1.5 feet bgs) and at the ground-water table. If the depth-to-groundwater at the sampling location is greater than 6 feet bgs, then an additional soil gas sample will be collected at a depth equidistant between the first two depths.

Notes:

VOC Volatile organic compound
bgs Below ground surface

APPENDIX B
SCREENING CRITERIA
(16 Pages)

TABLE B-1
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR CONTRACT LABORATORY PROGRAM (CLP) VOLATILE ORGANIC COMPOUNDS, LOW LEVEL
ALAMEDA POINT
(Page 1 of 2)

Analyte	Water (µg/L)	MCL[d] (µg/L)	Water PRRL at or below MCL?	Soil[a] (µg/kg)	PRG[e] (µg/kg)	Soil PRRL at or below PRG?
Chloromethane	2	NS	NA	10	1,200	Yes
Bromomethane	2	NS	NA	10	3,900	Yes
Vinyl chloride	0.5[b]	0.5	Yes	10	150	Yes
Chloroethane	2	NS	NA	10	3,000	Yes
Methylene chloride	2	5	Yes	10	8,900	Yes
Acetone	2	NS	NA	10	1,600,000	Yes
Carbon Disulfide	2	NS	NA	10	360,000	Yes
1,1-Dichloroethene	2	6	Yes	10	54	Yes
1,1-Dichloroethane	0.5[b]	5	Yes	10	590,000	Yes
1,2-Dichloroethene (total)	2	6	Yes	10	43,000	Yes
Chloroform	2	100[f]	Yes	10	240	Yes
1,2-Dichloroethane	0.5[b]	0.5	Yes	10	350	Yes
2-Butanone	2	NS	NA	10	7,300,000	Yes
1,1,1-Trichloroethane	2	200	Yes	10	630,000	Yes
Carbon tetrachloride	0.5[b]	0.5	Yes	10	240	Yes
Bromodichloromethane	2	100[f]	Yes	10	1,000	Yes
1,2-Dichloropropane	2	5	Yes	10	350	Yes
cis-1,3-Dichloropropene	0.5[b]	0.5	Yes	10	700	Yes
Trichloroethene	2	5	Yes	10	2,800	Yes
Dibromochloromethane	2	100[f]	Yes	10	1,100	Yes
1,1,2-Trichloroethane	2	5	Yes	10	840	Yes
Benzene	0.5[b]	1	Yes	10	650	Yes
trans-1,3-Dichloropropene	0.5[b]	0.5	Yes	10	700	Yes
Bromoform	2	100[f]	Yes	10	62,000	Yes
4-Methyl-2-pentanone	2	NS	NA	10	790,000	Yes

TABLE B-1
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR CONTRACT LABORATORY PROGRAM (CLP) VOLATILE ORGANIC COMPOUNDS, LOW LEVEL
ALAMEDA POINT
(Page 2 of 2)

Analyte	Water (µg/L)	MCL[d] (µg/L)	Water PRRL at or below MCL?	Soil[a] (µg/kg)	PRG[e] (µg/kg)	Soil PRRL at or below PRG?
2-Hexanone	2	NS	NA	10	NS	NA
Tetrachloroethene	2	5	Yes	10	5,700	Yes
Toluene	2	150	Yes	10	520,000	Yes
1,1,2,2-Tetrachloroethane	1[b]	1	Yes	10	380	Yes
Chlorobenzene	2	70	Yes	10	150,000	Yes
Ethylbenzene	2	700	Yes	10	230,000	Yes
Styrene	2	100	Yes	10	1,700,000	Yes
Xylenes (total)	2	1,750	Yes	10	210,000	Yes
1,2-Dichlorobenzene[c]	2	600	Yes	10	370,000	Yes
1,3-Dichlorobenzene[c]	2	130	Yes	10	13,000	Yes
1,4-Dichlorobenzene[c]	2	5	Yes	10	3,400	Yes

Notes:

a	Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment, calculated on a dry weight basis as required by the Contract Laboratory Program (CLP) contract, will be higher.
b	Quantitation limits lower than limit required by CLP Statement of Work (SOW) (EPA 1999a)
c	Compound added to CLP SOW target compound list
d	California Maximum Contaminant Level (MCL) for drinking water
e	U.S. Environmental Protection Agency (EPA) Region IX residential PRG
f	100 µg/L is the MCL for total trihalomethanes
µg/kg	Microgram per kilogram
µg/L	Microgram per liter
MCL	Maximum Contaminant Level
NS	No standard given
NA	Not applicable
PRG	Preliminary Remediation Goal
PRRL	Project required reporting limit

TABLE B-2
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR SEMIVOLATILE ORGANIC COMPOUNDS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8270C
ALAMEDA POINT
(Page 1 of 4)

Analyte	Water (µg/L)	MCL[a] (µg/L)	Water PRRL at or below MCL?	Soil (µg/kg)	PRG[b] (µg/kg)	Soil PRRL at or below PRG?
Phenol	10	NS	NA	330	37,000,000	Yes
bis(2-Chlorethyl)ether	10	NS	NA	210	210	Yes
2-Chlorophenol	10	NS	NA	330	63,000	Yes
1,3-Dichlorobenzene	5	130	Yes	160	13,000	Yes
1,4-Dichlorobenzene	5	5	Yes	160	3,400	Yes
1,2-Dichlorobenzene	5	600	Yes	160	370,000	Yes
2-Methylphenol	10	NS	NA	330	3,100,000	Yes
2,2'-oxybis(1-Chloropropane)	10	NS	NA	330	NS	NA
4-Methylphenol	10	NS	NA	330	310,000	Yes
N-Nitroso-di-n-propylamine	10	NS	NA	330[c]	69	Yes
Hexachloroethane	10	NS	NA	330	35,000	Yes
Nitrobenzene	10	NS	NA	330	20,000	Yes
Isophorone	10	NS	NA	330	510,000	Yes
2-Nitrophenol	10	NS	NA	330	NS	NA
2,4-Dimethylphenol	10	NS	NA	330	1,200,000	Yes
bis(2-Chloroethoxy)methane	10	NS	NA	330	NS	NA
2,4-Dichlorophenol	10	NS	NA	330	180,000	Yes
1,2,4-Trichlorobenzene	10	70	Yes	330	650,000	Yes
Naphthalene	10	NS	NA	330	56,000	Yes
4-Chloroaniline	10	NS	NA	330	240,000	Yes
Hexachlorobutadiene	10	NS	NA	330	6,200	Yes
4-Chloro-3-methylphenol	10	NS	NA	330	NS	NA

TABLE B-2
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR SEMIVOLATILE ORGANIC COMPOUNDS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8270C
ALAMEDA POINT
(Page 2 of 4)

Analyte	Water (µg/L)	MCL[a] (µg/L)	Water PRRL at or below MCL?	Soil (µg/kg)	PRG[b] (µg/kg)	Soil PRRL at or below PRG?
2-Methylnaphthalene	10	NS	NA	330	NS	NA
Hexachlorocyclopentadiene	10	50	Yes	330	420,000	Yes
2,4,6-Trichlorophenol	10	NS	NA	330	44,000	Yes
2,4,5-Trichlorophenol	25	NS	NA	800	6,100,000	Yes
2-Chloronaphthalene	10	NS	NA	330	3,900,000	Yes
2-Nitroaniline	25	NS	NA	800	3,500	Yes
Dimethylphthalate	10	NS	NA	330	100,000,000	Yes
Acenaphthylene	10	NS	NA	330	NS	NA
2,6-Dinitrotoluene	10	NS	NA	330	61,000	Yes
3-Nitroaniline	25	NS	NA	800	NS	NA
Acenaphthene	10	NS	NA	330	3,700,000	Yes
2,4-Dinitrophenol	25	NS	NA	800	120,000	Yes
4-Nitrophenol	25	NS	NA	800	490,000	Yes
Dibenzofuran	10	NS	NA	330	290,000	Yes
2,4-Dinitrotoluene	10	NS	NA	330	120,000	Yes
Diethylphthalate	10	NS	NA	330	49,000,000	Yes
4-Chlorophenyl-phenylether	10	NS	NA	330	NS	NA
Fluorene	10	NS	NA	330	2,600,000	Yes
4-Nitroaniline	25	NS	NA	800	NS	NA
4,6-Dinitro-2-methylphenol	25	NS	NA	800	NS	NA
N-nitrosodiphenylamine	10	NS	NA	330	99,000	Yes
4-Bromophenyl-phenylether	10	NS	NA	330	NS	NA

TABLE B-2
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR SEMIVOLATILE ORGANIC COMPOUNDS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8270C
ALAMEDA POINT
(Page 3 of 4)

Analyte	Water (µg/L)	MCL[a] (µg/L)	Water PRRL at or below MCL?	Soil (µg/kg)	PRG[b] (µg/kg)	Soil PRRL at or below PRG?
Hexachlorobenzene	10	1	No[c]	300	300	Yes
Pentachlorophenol	25	1	No[c]	800	3,000	Yes
Phenanthrene	10	NS	NA	330	NS	NA
Anthracene	10	NS	NA	330	22,000,000	Yes
Carbazole	10	NS	NA	330	24,000	Yes
Di-n-butylphthalate	10	NS	NA	330	6,100,000	Yes
Fluoranthene	10	NS	NA	330	2,300,000	Yes
Pyrene	10	NS	NA	330	2,300,000	Yes
Butylbenzylphthalate	10	NS	NA	330	12,000,000	Yes
3,3'-Dichlorobenzidine	10	NS	NA	330	1,100	Yes
Benzo(a)anthracene	10	NS	NA	330	620	Yes
Chrysene	10	NS	NA	330	6,100	Yes
bis-(2-ethylhexyl)phthalate	4	4	Yes	330	35,000	Yes
Di-n-octylphthalate	10	NS	NA	330	1,200,000	Yes
Benzo(b)fluoranthene	10	NS	NA	330	620	Yes
Benzo(k)fluoranthene	10	NS	NA	330	610	Yes
Benzo(a)pyrene	0.2[d]	0.2	Yes	62[d]	62	Yes
Indeno(1,2,3-cd)pyrene	10	NS	NA	330	620	Yes
Dibenz(a,h)anthracene	20	NS	NA	62[d]	62	Yes
Benzo(g,h,i)perylene	10	NS	NA	330	NS	NA

TABLE B-2
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR SEMIVOLATILE ORGANIC COMPOUNDS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8270C
ALAMEDA POINT
(Page 4 of 4)

Notes:

a	California Maximum Contaminant Level (MCL) for drinking water
b	U.S. Environmental Protection Agency (EPA) Region IX residential PRG
c	The listed PRRL reflects the maximum sensitivity of current, routinely, used analytical methods. The listed PRRL will be used as the project screening criteria unless reasonable grounds are established for pursuing non-routine methods.
d	Analysis by selected ion monitoring (SIM) is required to meet the quantitation limit
µg/L	Microgram per liter
µg/kg	Microgram per kilogram
MCL	Maximum Contaminant Level
NA	Not applicable
NS	No standard given
PRG	Preliminary Remediation Goal
PRRL	Project required reporting limit

TABLE B-3
TARGET ANALYTES AND QUANTITATION LIMITS FOR
ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8081A/8082
ALAMEDA POINT
(Page 1 of 2)

Analyte	Water (µg/L)	MCL[a] (µg/L)	Water PRRL at or below MCL?	Soil (µg/kg)	PRG[b] (µg/kg)	Soil PRRL at or below PRG?
Aldrin	0.05	NS	NA	1.7	29	Yes
alpha-BHC	0.05	NS	NA	1.7	90	Yes
beta-BHC	0.05	NS	NA	1.7	320	Yes
delta-BHC	0.05	NS	NA	1.7	NS	NA
gamma-BHC (Lindane)	0.05	0.2	Yes	1.7	440	Yes
alpha-Chlordane	0.05	0.1	Yes	1.7	1,600	Yes
gamma-Chlordane	0.05	0.1	Yes	1.7	1,600	Yes
4,4'-DDD	0.10	NS	NA	3.3	2,400	Yes
4,4'-DDE	0.10	NS	NA	3.3	1,700	Yes
4,4'-DDT	0.10	NS	NA	3.3	1,700	Yes
Dieldrin	0.10	NS	NA	3.3	30	Yes
Endosulfan I	0.05	NS	NA	1.7	370,000	Yes
Endosulfan II	0.10	NS	NA	3.3	370,000	Yes
Endosulfan sulfate	0.10	NS	NA	3.3	NS	NA
Endrin	0.10	2	Yes	3.3	18,000	Yes
Endrin aldehyde	0.10	NS	NA	3.3	NS	NA
Endrin ketone	0.10	NS	NA	3.3	NS	NA
Hepatchlor	0.01	0.01	Yes	1.7	110	Yes
Heptachlor epoxide	0.01	0.01	Yes	1.7	53	Yes
Methoxychlor	0.5	40	Yes	17.0	310,000	Yes

TABLE B-3
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8081A/8082
ALAMEDA POINT
(Page 2 of 2)

Analyte	Water (µg/L)	MCL[a] (µg/L)	Water PRRL at or below MCL?	Soil (µg/kg)	PRG[b] (µg/kg)	Soil PRRL at or below PRG?
Toxaphene	3.0	3	Yes	170.0	440	Yes
Aroclor-1016	0.5	0.5	Yes	33.0	220	Yes
Aroclor-1221	0.5	0.5	Yes	67.0	220	Yes
Aroclor-1232	0.5	0.5	Yes	33.0	220	Yes
Aroclor-1242	0.5	0.5	Yes	33.0	220	Yes
Aroclor-1248	0.5	0.5	Yes	33.0	220	Yes
Aroclor-1254	0.5	0.5	Yes	33.0	220	Yes
Aroclor-1260	0.5	0.5	Yes	33.0	220	Yes

Notes:

a California Maximum Contaminant Level (MCL) for drinking water
b U.S. Environmental Protection Agency (EPA) Region IX residential PRG
µg/L Microgram per liter
µg/kg Microgram per kilogram
BHC Benzene hexachloride
DDD Dichlorodiphenyldichloroethane
DDE Dichlorodiphenyldichloroethene
DDT Dichlorodiphenyltrichloroethane
MCL Maximum Contaminant Level
NS No standard given
NA Not applicable
PRG Preliminary remediation goal
PRRL Project required reporting limit

TABLE B-4
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR DIOXINS AND FURANS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 8290
ALAMEDA POINT

Analyte	Water (ng/L)	MCL[a] (ng/L)	Water PRRL at or below MCL?	Soil/Sediment (µg/kg)	PRG[b] (µg/kg)	Soil PRRL at or below PRG?
Tetra Chlorinated dibenzo-p-dioxins	0.01	0.03[c]	Yes	0.001	0.0039[c]	Yes
Penta Chlorinated dibenzo-p-dioxins	0.05	NS	NA	0.005	NS	NA
Hexa Chlorinated dibenzo-p-dioxins	0.05	NS	NA	0.005	NS	NA
Hepta Chlorinated dibenzo-p-dioxins	0.05	NS	NA	0.005	NS	NA
Octa Chlorinated dibenzo-p-dioxins	0.1	NS	NA	0.01	NS	NA
Tetra Chlorinated dibenzofurans	0.01	NS	NA	0.001	NS	NA
Penta Chlorinated dibenzofurans	0.05	NS	NA	0.005	NS	NA
Hexa Chlorinated dibenzofurans	0.05	NS	NA	0.005	NS	NA
Hepta Chlorinated dibenzofurans	0.05	NS	NA	0.005	NS	NA
Octa Chlorinated dibenzofurans	0.1	NS	NA	0.01	NS	NA

Notes:

a	California Maximum Contaminant Level (MCL) for drinking water		
b	U.S. Environmental Protection Agency (EPA) Region IX residential PRG	MCL	Maximum Contaminant Level
c	Applies to 2,3,7,8-Tetrachloro dibenzo-p-dioxin only	NS	No standard given
µg/kg	Micrograms per kilogram	NA	Not applicable
PRG	Preliminary Remediation Goal	ng/L	Nanograms per liter
PRRL	Project required reporting limit		

TABLE B-5
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR TOTAL PETROLEUM HYDROCARBONS
ALAMEDA POINT

Analyte	EPA Method	Water (mg/L)	MCL[a] (mg/L)	Water PRRL at or below MCL?	Soil (mg/kg)	PRG[b] (mg/kg)	Soil PRRL at or below PRG?
Total Purgeable Petroleum Hydrocarbons reported as:							
Gasoline	Modified 8015[c]	0.05	NS	NA	0.5	NS	NA
Diesel	Modified 8015[c]	0.1	1.0	Yes	10	10	Yes
Total Extractable Petroleum Hydrocarbons reported as:							
Motor Oil	Modified 8015[c]	0.1	NS	NA	10	NS	NA
JP-5	Modified 8015[c]	0.1	NS	NA	10	NS	NA

Notes:

a California Maximum Contaminant Level (MCL) for drinking water
b U.S. Environmental Protection Agency (EPA) Region IX residential PRG
c Test Methods for Evaluating Solid Waste, SW-846, 3rd Edition
mg/L Milligram per liter
mg/kg Milligram per kilogram
MCL Maximum Contaminant Level
NA Not applicable
NS No standard given
PRG Preliminary Remediation Goal
PRRL Project required reporting limit

TABLE B-6
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR VOLATILE ORGANIC COMPOUNDS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD TO-14
ALAMEDA POINT
(Page 1 of 2)

Analyte	Air (ppbv)	Air ($\mu g/m^3$)[a]
Chloromethane	0.5	1.0
Vinyl chloride	0.5	1.3
Chloroethane	0.5	1.3
1,1-Dichloroethene	0.5	2.0
1,1-Dichloroethane	0.5	2.1
cis-1,2-Dichloroethene	0.5	2.0
1,1,1-Trichloroethane	0.5	2.8
Benzene	0.5	1.8
1,2-Dichloroethane	0.5	2.1
Trichloroethene	0.5	2.8
Toluene	0.5	1.9
1,1,2-Trichloroethane	0.5	2.8
Tetrachloroethene	0.5	3.4
Ethyl benzene	0.5	2.2
m,p-Xylene	0.5	2.2
o-Xylene	0.5	2.2
1,1,2,2-Tetrachloroethane	0.5	3.5

TABLE B-6
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR VOLATILE ORGANIC COMPOUNDS
U. S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD TO-14
ALAMEDA POINT
(Page 2 of 2)

Analyte	Air (ppbv)	Air ($\mu g/m^3$)[a]
1,3-Dichlorobenzene	0.5	3.1
1,4-Dichlorobenzene	0.5	3.1
1,2-Dichlorobenzene	0.5	3.1
trans-1,2-Dichloroethene	2.0	8.0
Naphthalene	5.0	27

Notes:
a Soil gas results for volatile organic compounds will be used as inputs to the Johnson-Ettinger model for estimating indoor air concentrations associated risk. Regulatory limits, such as preliminary remediation goals for ambient air, are not applicable to this investigation.
ppbv Parts per billion, volume
$\mu g/m^3$ Microgram per cubic meter

TABLE B-7
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR ATMOSPHERIC GASES AND LIGHT HYDROCARBONS
ASTM METHOD D1945
ALAMEDA POINT

Analyte	Air (%)
Nitrogen	0.10
Oxygen	0.10
Carbon dioxide	0.001
Carbon monoxide	0.001
Methane	0.001
Ethane	0.001
Propane	0.001
n-Butane	0.001
Isobutane	0.001
n-Pentane	0.001
Isopentane	0.001
NMOC (C6+)	0.010

Notes:

%	Percent by volume
ASTM	American Society of Testing and Materials
NMOC (C6+)	Non-methane organic carbon, C6 and heavier compounds

TABLE B-8
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR CONTRACT LABORATORY PROGRAM (CLP) METALS AND CYANIDE
ALAMEDA POINT
(Page 1 of 2)

Analyte	Water (µg/L)	MCL[a] µg/L)	Water PRRL at or below MCL?	Soil[b] (mg/kg)	PRG[c] (mg/kg)	Soil PRRL at or below PRG?
Aluminum	50	1,000	Yes	10	76,000	Yes
Antimony	6	6	Yes	1.2	31	Yes
Arsenic	10	50	Yes	0.39	0.39	Yes
Barium	200	1,000	Yes	40	5,400	Yes
Beryllium	4	4	Yes	0.8	150	Yes
Cadmium	5	5	Yes	1.0	9	Yes
Calcium	5,000	NS	NA	1,000	NS	NA
Chromium	10	50	Yes	2.0	210	Yes
Cobalt	50	NS	NA	10	4,700	Yes
Copper	25	1,300	Yes	5	2,900	Yes
Iron	100	300	Yes	20	23,000	Yes
Lead	3	15	Yes	0.6	400	Yes
Magnesium	5,000	NS	NA	1,000	NS	NA
Manganese	15	50	Yes	3.0	1,800	Yes
Molybdenum	5	NS	NA	1.0	390	Yes
Mercury	0.2	2	Yes	0.1	23	Yes
Nickel	40	100	Yes	8.0	150	Yes
Potassium	5,000	NS	NA	1,000	NS	NA
Selenium	5	50	Yes	1.0	390	Yes
Silver	10	100	Yes	2.0	390	Yes
Sodium	5,000	NS	NA	1,000	NS	NA
Thallium	2	2	Yes	0.4	5.2	Yes

TABLE B-8
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR CONTRACT LABORATORY PROGRAM (CLP) METALS AND CYANIDE
ALAMEDA POINT
(Page 2 of 2)

Analyte	Water (µg/L)	MCL[a] (µg/L)	Water PRRL at or below MCL?	Soil[b] (mg/kg)	PRG[c] (mg/kg)	Soil PRRL at or below PRG?
Vanadium	50	NS	NA	10	550	Yes
Zinc	20	5,000	Yes	4.0	23,000	Yes
Organic Lead	100	NS	NA	0.5	NS	NA
Cyanide	10	200	Yes	2.0	11	Yes

Notes:

a	California Maximum Contaminant Level (MCL) for drinking water
b	Contract-required detection limits modified from the CLP Statement of Work (SOW) (EPA 2000c)
c	U.S. Environmental Protection Agency (EPA) Region IX residential PRG
µg/L	Microgram per liter
mg/kg	Milligram per kilogram
MCL	Maximum Contaminant Level
NA	Not applicable
NS	No standard given
PRG	Preliminary Remediation Goal
PRRL	Project required reporting limit

TABLE B-9
TARGET ANALYTES AND PROJECT REQUIRED REPORTING LIMITS FOR NON-CONTRACT LABORATORY PROGRAM (CLP) METHODS
ALAMEDA POINT

Analyte	Water (mg/L)	MCL[a] (mg/L)	Water PRRL at or below MCL?
Alkalinity	5.0	NS	NA
Chloride	0.50	250	Yes
Sulfate	0.50	250	Yes
Nitrate as Nitrogen	0.05	10	Yes
Nitrite as Nitrogen	0.05	1	Yes
Turbidity (NTU)	0.02	1	Yes
Orthophosphate	0.05	NS	NA
Fluoride	0.5	2	Yes
Specific Conductance (µmhos/cm)	0.9	0.9	Yes
Total Dissolved Solids	10.0	500	Yes
Total Organic Carbon	1.0	NS	NA
Hexavalent Chromium	0.01	NS	NA

Notes:

a	California Maximum Contaminant Level (MCL) for drinking water
mg/L	Milligram per liter
NA	Not applicable
NS	No standard given
NTU	Nephelometric turbidity unit
PRRL	Project required reporting limit
µmho/cm	Micromhos per centimeter

APPENDIX C
SAMPLE REGISTERS
(58 Pages)

CONTENTS

ORIGINAL WORK PLAN SAMPLE REGISTERS (TABLES E-1 TO E-7 AND E-9)

ADDENDUM A WORK PLAN REGISTER (TABLE A-3-8)

ADDENDUM B REGISTERS (TABLE 2 AND A-3-9)

ADDENDUM D REGISTER (TABLE E-10)

TABLE E-1

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 06
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
Direct Push Borings																								
385-S06-001	S06-DGS-DP01	S06-DGS-DP01-GW-5	Water	7/24/01	950	X		X		X														
385-S06-002	S06-DGS-DP02	S06-DGS-DP02-GW-5	Water	7/17/01	900	X		X		X														
385-S06-003	S06-DGS-DP02	S06-DGS-DP02-GW-12	Water	7/17/01	1000	X		X		X														
385-S06-004	S06-DGS-DP02	S06-DGS-DP02-GW-25	Water	Not Needed		X		X		X														
385-S06-005	S06-DGS-DP03	S06-DGS-DP03-GW-5	Water	7/24/01	1400	X		X		X														
385-S06-006	S06-DGS-DP04	S06-DGS-DP04-GW-5	Water	7/24/01	1330	X		X		X														
385-S06-007	S06-DGS-DP05	S06-DGS-DP05-GW-7	Water	7/16/01	1340	X		X		X														
385-S06-008	S06-DGS-DP05	S06-DGS-DP05-GW-12	Water	7/16/01	1410	X		X		X														
385-S06-009	S06-DGS-DP05	S06-DGS-DP05-GW-23	Water	7/16/01	1505	X		X		X														
385-S06-010	S06-DGS-DP06	S06-DGS-DP06-GW-5	Water	7/17/01	1030	X		X		X														
385-S06-011	S06-DGS-DP06	S06-DGS-DP06-GW-12	Water	7/17/01	1100	X		X		X														
385-S06-012	S06-DGS-DP06	S06-DGS-DP06-GW-25	Water	Not Needed		X		X		X														
385-S06-013	S06-DGS-DP07	S06-DGS-DP07-GW-5	Water	7/17/01	1130	X		X		X														
385-S06-014	S06-DGS-DP07	S06-DGS-DP07-GW-12	Water	7/17/01	1200	X		X		X														
385-S06-015	S06-DGS-DP07	S06-DGS-DP07-GW-23	Water	7/19/01	1515	X		X		X														
385-S06-016	S06-DGS-DP08	S06-DGS-DP08-GW-5	Water	7/24/01	1025	X		X		X														
385-S06-041	S06-DGS-DP08	S06-DGS-DP08-GW-12	Water	7/24/01	1100	X		X		X														
385-S06-042	S06-DGS-DP08	S06-DGS-DP08-GW-23	Water	7/24/01	1130	X		X		X														
385-S06-043	S06-DGS-DP04	S06-DGS-DP04-GW-11	Water	7/26/01	940	X																		
385-S06-044	S06-DGS-DP03	S06-DGS-DP03-GW-12	Water	7/26/01	1000	X																		
385-S06-044A	S06-DGS-DP03	S06-DGS-DP03-GW-12	Water	7/26/01	1000		X																	
385-S06-045	S06-DGS-DP11	S06-DGS-DP11-GW-5	Water	7/26/01	1115	X																		
385-S06-046	S06-DGS-DP11	S06-DGS-DP11-GW-12	Water	7/26/01	1420	X																		
385-S06-047	S06-DGS-DP13	S06-DGS-DP13-GW-5	Water	7/26/01	1330	X																		
385-S06-048	S06-DGS-DP13	S06-DGS-DP13-GW-12	Water	7/26/01	1345	X																		
385-S06-049	S06-DGS-DP01	S06-DGS-DP01-GW-12	Water	7/26/01	1445	X																		
385-S06-050	S06-DGS-DP12	S06-DGS-DP12-GW-5	Water	7/26/01	1515	X																		
385-S06-051	S06-DGS-DP12	S06-DGS-DP12-GW-12	Water	7/26/01	1545	X																		

TABLE E-1

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 06
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S06-052	S06-DGS-DP14	S06-DGS-DP14-GW-5	Water	8/8/01	1345	X																		
385-S06-053	S06-DGS-DP14	S06-DGS-DP14-GW-12	Water	8/8/01	1400	X																		
385-S06-054	S06-DGS-DP17	S06-DGS-DP17-GW-5	Water	8/8/01	1430	X																		
385-S06-055	S06-DGS-DP17	S06-DGS-DP17-GW-12	Water	8/8/01	1450	X																		
385-S06-056	S06-DGS-DP16	S06-DGS-DP16-GW-5	Water	8/8/01	1510	X																		
385-S06-057	S06-DGS-DP15	S06-DGS-DP15-GW-5	Water	8/7/01	855	X																		
385-S06-057A	S06-DGS-DP15	S06-DGS-DP15-GW-5	Water	8/7/01	855		X																	
385-S06-058	S06-DGS-DP15	S06-DGS-DP15-GW-12	Water	8/7/01	950	X																		
385-S06-059	S06-DGS-DP16	S06-DGS-DP16-GW-12	Water	8/8/01	1530	X																		
385-S06-060	S06-DGS-DP18	S06-DGS-DP18-GW-5	Water	8/17/01	900	X																		
385-S06-061	S06-DGS-DP19	S06-DGS-DP19-GW-5	Water	8/16/01	1645	X																		
385-S06-062	S06-DGS-DP20	S06-DGS-DP20-GW-5	Water	8/22/01	1530	X																		
385-S06-063	S06-DGS-DP21	S06-DGS-DP21-GW-5	Water	9/12/01	1430		X																	
Monitoring Wells																								
385-S06-017	M06-01	S06-DGS-M06-01-GW	Water	6/18/01	1345		X		X		X													
385-S06-018	M06-02	S06-DGS-M06-02-GW	Water	6/19/01	845		X		X		X													
385-S06-019	M06-03	S06-DGS-M06-03-GW	Water	6/18/01	1450		X		X		X													
385-S06-020	M06-04	S06-DGS-M06-04-GW	Water	6/18/01	1025		X		X		X													
385-S06-021	M06-05	S06-DGS-M06-05-GW	Water	6/18/01	1140		X		X		X													
385-S06-022	M06-06	S06-DGS-M06-06-GW	Water	6/18/01	1245		X		X		X													
Storm Sewer Bedding Investigation																								
385-S06-023	S06-DGS-DP09	S06-DGS-DP09-SO-3	Soil	8/13/01	1245																			X[1]
385-S06-024	S06-DGS-VE01	S06-DGS-VE01-SO- 3	Soil	8/6/01	1330																			X[1]
385-S06-025	S06-DGS-VE01	S06-DGS-VE01-GW-3	Water	8/6/01	1350	X		X		X														
385-S06-026	S06-DGS-DP10	S06-DGS-DP10-SO-5.5	Soil	8/13/01	1320																			X[1]
385-S06-027	S06-DGS-VE02	S06-DGS-VE02-SO-5.4	Soil	8/6/01	1500																			X[1]
385-S06-028	S06-DGS-VE02	S06-DGS-VE02-GW-5.4	Water	8/6/01	1510	X		X		X														
Storm Sewer Infiltration Investigation																								
385-S06-029	S06-DGS-MH-4G-1	S06-DGS-MH-4G-1-GWI	Water	7/20/01	742	X		X		X														
385-S06-030	S06-DGS-MH-5G-1	S06-DGS-MH-5G-1-GWI	Water	7/20/01	801	X		X		X														
385-S06-030A	S06-DGS-MH-5G-1	S06-DGS-MH-5G-1-GWI	Water	7/20/01	801		X		X		X													

TABLE E-1

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 06
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
Soil Gas Investigation																								
385-S06-031	S06-DGS-SG01	S06-DGS-SG01-SO-1	Soil	6/7/01	1347																			X[2]
385-S06-032	S06-DGS-SG02	S06-DGS-SG02-SO-1	Soil	6/7/01	1353																			X[2]
385-S06-033	S06-DGS-SG03	S06-DGS-SG03-SG-1.5	Soil Gas	7/25/01	1102								X	X										
385-S06-034	S06-DGS-SG03	S06-DGS-SG03-SG-4	Soil Gas	7/25/01	1242								X	X										
385-S06-035	S06-DGS-SG03	S06-DGS-SG03-SG-7	Soil Gas	Not Needed									X											
385-S06-036	S06-DGS-SG04	S06-DGS-SG04-SO-1	Soil	6/7/01	1427																			X[2]
385-S06-037	S06-DGS-SG05	S06-DGS-SG05-SO-1	Soil	6/7/01	1419																			X[2]
385-S06-038	S06-DGS-SG06	S06-DGS-SG06-SG-1.5	Soil Gas	7/25/01	1357								X	X										
385-S06-039	S06-DGS-SG06	S06-DGS-SG06-SG-4	Soil Gas	7/25/01	1453								X	X										
385-S06-040	S06-DGS-SG06	S06-DGS-SG06-SG-7	Soil Gas	Not Needed									X											

DGS	Data Gap Sample
DP	Direct Push
GW	Groundwater Sample
GWI	Groundwater Infiltration
MH	Manhole
MW	Monitoring Well
SG	Soil Gas
SW	Surface Water Sample
VE	Vacuum Extraction
VOC	Volatile Organic Compounds
SVOC	Semivolatile Organic Compounds
CN^-	Cyanide
PCB	Polychlorinated Biphenyls

TO-14	VOCs in air
TPPH	Total Purgeable Petroleum Hydrocarbons
TEPH	Total Extractable Petroleum Hydrocarbons
Cr (VI)	Hexavalent Chromium

Field Parameters
- Temperature
- Conductivity
- Dissolved Oxygen
- Redox Potential
- Turbidity
- pH

Geotechnical Analysis (X^1)
- Particle Size
- Permeability
- Soil Total Porosity
- Soil Dry Bulk Density

Geotechnical Analysis (X^2)
- Particle Size
- Soil Texture
- Moisture
- Soil Total Porosity
- Soil Dry Bulk Density

Notes:
Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.
Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.

TABLE E-2

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 14
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Pesticides (Cl)	Dioxins/Furans	pH	Field Parameters	Geotechnical Analysis
Direct Push Borings																									
385-S14-001	S14-DGS-DP01	S14-DGS-DP01-GW-7	Water	7/12/01	1330	X		X																	
385-S14-002	S14-DGS-DP01	S14-DGS-DP01-GW-18	Water	7/12/01	1410	X		X																	
385-S14-003	S14-DGS-DP02	S14-DGS-DP02-GW-7	Water	7/12/01	1005	X		X																	
385-S14-004	S14-DGS-DP02	S14-DGS-DP02-GW-16	Water	7/12/01	1135	X		X																	
385-S14-005	S14-DGS-DP03	S14-DGS-DP03-GW-6	Water	7/12/01	1535	X		X																	
385-S14-006	S14-DGS-DP03	S14-DGS-DP03-GW-18	Water	7/12/01	1610	X		X																	
385-S14-007	S14-DGS-DP04	S14-DGS-DP04-GW-6	Water	7/13/01	837	X		X																	
385-S14-007A	S14-DGS-DP04	S14-DGS-DP04-GW-6	Water	7/13/01	837		X		X																
385-S14-008	S14-DGS-DP04	S14-DGS-DP04-GW-18	Water	7/13/01	925	X		X																	
385-S14-009	S14-DGS-DP05	S14-DGS-DP05-GW-5	Water	7/13/01	1300	X		X		X															
385-S14-010	S14-DGS-DP06	S14-DGS-DP06-GW-5	Water	7/13/01	1120	X		X		X															
385-S14-011	S14-DGS-DP07	S14-DGS-DP07-GW-6	Water	7/13/01	1025	X		X		X															
385-S14-012	S14-DGS-DP08	S14-DGS-DP08-GW-7	Water	7/13/01	1350	X		X																	
385-S14-080	S14-DGS-DP02	S14-DGS-DP02-GW-23	Water	7/16/01	1115	X		X																	
385-S14-081	S14-DGS-DP01	S14-DGS-DP02-GW-23	Water	8/6/01	1520	X		X																	
385-S14-082	S14-DGS-DP01	S14-DGS-DP02-GW-28	Water	8/6/01	1615	X		X																	
385-S14-083	S14-DGS-DP11	S14-DGS-DP11-GW-7	Water	8/7/01	1415	X		X		X															
385-S14-083A	S14-DGS-DP11	S14-DGS-DP11-GW-7	Water	8/7/01	1415		X		X		X														
385-S14-084	S14-DGS-DP12	S14-DGS-DP12-GW-7	Water	8/7/01	1445	X		X		X															
385-S14-093	S14-DGS-DP13	S14-DGS-DP13-SO-0	Soil	4/17/02	920							PAH													
385-S14-094	S14-DGS-DP13	S14-DGS-DP13-SO-2	Soil	4/17/02	940							PAH													
385-S14-095	S14-DGS-DP13	S14-DGS-DP13-SO-0	Soil	4/17/02	945							PAH													
385-S14-096	S14-DGS-DP14	S14-DGS-DP14-SO-0	Soil	4/17/02	1000							PAH													
385-S14-097	S14-DGS-DP14	S14-DGS-DP14-SO-0.5	Soil	4/17/02	1005							PAH													
385-S14-098	S14-DGS-DP14	S14-DGS-DP14-SO-2	Soil	4/17/02	1010							PAH													
385-S14-099	S14-DGS-DP15	S14-DGS-DP15-SO-0	Soil	4/17/02	1050							PAH													
385-S14-100	S14-DGS-DP15	S14-DGS-DP15-SO-0.5	Soil	4/17/02	1055							PAH													
385-S14-101	S14-DGS-DP15	S14-DGS-DP15-SO-2	Soil	4/17/02	1100							PAH													
385-S14-102	S14-DGS-DP16	S14-DGS-DP16-SO-0	Soil	4/17/02	1130							PAH													
385-S14-103	S14-DGS-DP16	S14-DGS-DP16-SO-0.5	Soil	4/17/02	1140							PAH													

TABLE E-2

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 14
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Pesticides (Cl)	Dioxins/Furans	pH	Field Parameters	Geotechnical Analysis
385-S14-104	S14-DGS-DP16	S14-DGS-DP16-SO-2	Soil	4/17/02	1150						PAH														
Monitoring Wells																									
385-S14-013	M14-01	S14-DGS-M14-01-GW	Water	6/20/01	950		X		X		X	X													
385-S14-014	M14-02	S14-DGS-M14-02-GW	Water	6/19/01	1230		X		X		X	X													
385-S14-015	M14-03	S14-DGS-M14-03-GW	Water	6/19/01	1350		X		X		X	X													
385-S14-016	D14-01	S14-DGS-D14-01-GW	Water	6/21/01	1315		X		X		X	X													
385-S14-017	M112-A	S14-DGS-M112-A-01-GW	Water	6/20/01	1500		X		X		X	X													
385-S14-018	M113-A	S14-DGS-M113-A-01-GW	Water	6/20/01	1130		X		X		X	X													
385-S14-019	M101-A	S14-DGS-M101-A-01-GW	Water	6/21/01	920		X		X		X	X													
385-S14-020	M101-C	S14-DGS-M101-C-01-GW	Water	6/21/01	1030		X		X		X	X													
385-S14-021	M101-A-OLD	S14-DGS-M101-A-OLD-GW	Water	Well Not Found			X		X		X	X			(Well can not be found)										
385-S14-022	M114-A	S14-DGS-M114-A-GW	Water	6/20/01	1330		X		X		X	X													
Surface Soils																									
385-S14-023	S14-DGS-SS01	S14-DGS-SS01-SO-0.5	Soil	6/18/01	1010				X		X	X				X				X		X			
385-S14-024	S14-DGS-SS02	S14-DGS-SS02-SO-0.5	Soil	6/18/01	1020				X		X	X				X				X		X			
385-S14-025	S14-DGS-SS03	S14-DGS-SS03-SO-0.5	Soil	6/18/01	1030				X		X	X				X				X		X			
385-S14-026	S14-DGS-SS04	S14-DGS-SS04-SO-0.5	Soil	6/18/01	1050				X		X	X				X				X		X			
385-S14-027	S14-DGS-SS05	S14-DGS-SS05-SO-0.5	Soil	6/18/01	1205																	X			
385-S14-028	S14-DGS-SS06	S14-DGS-SS06-SO-0.5	Soil	6/18/01	1210																	X			
385-S14-029	S14-DGS-SS07	S14-DGS-SS07-SO-0.5	Soil	6/19/01	1040																	X			
385-S14-030	S14-DGS-SS08	S14-DGS-SS08-SO-0.5	Soil	6/18/01	1322																	X			
385-S14-031	S14-DGS-SS09	S14-DGS-SS09-SO-0.5	Soil	6/18/01	1400																	X			
385-S14-032	S14-DGS-SS10	S14-DGS-SS10-SO-0.5	Soil	6/25/01	1145																	X			
385-S14-033	S14-DGS-SS11	S14-DGS-SS11-SO-0.5	Soil	6/18/01	1442											X			X						
385-S14-085	S14-DGS-SS13	S14-DGS-SS13-SO-0.5	Soil	9/12/01	920																	X			
385-S14-086	S14-DGS-SS12	S14-DGS-SS12-SO-0.5	Soil	9/12/01	945																	X			
Hand-Auger Borings																									
385-S14-034	S14-DGS-HA01	S14-DGS-HA01-SO-3	Soil	6/19/01	900																	X			
385-S14-035	S14-DGS-HA01	S14-DGS-HA01-SO-6	Soil	6/19/01	945																	X			
385-S14-036	S14-DGS-HA01	S14-DGS-HA01-SO-9	Soil	6/19/01	1015																	X			
385-S14-037	S14-DGS-HA02 to HA04	S14-DGS-HA-SO-COMP1-1	Soil	Lab will composite																		X			
385-S14-038	S14-DGS-HA02 to HA04	S14-DGS-HA-SO-COMP2-3	Soil	Lab will composite																		X			

TABLE E-2

SAMPLE IDENTIFICATION NUMBERS FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 14 ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Pesticides (Cl)	Dioxins/Furans	pH	Field Parameters	Geotechnical Analysis
385-S14-039	S14-DGS-HA2 to HA04	S14-DGS-HA-SO-COMP3-6	Soil	Lab will composite																		X			
385-S14-040	S14-DGS-HA02	S14-DGS-HA02-SO-1	Soil	6/19/01	1130																	X			
385-S14-041	S14-DGS-HA02	S14-DGS-HA02-SO-3	Soil	6/19/01	1200																	X			
385-S14-042	S14-DGS-HA02	S14-DGS-HA02-SO-6	Soil	6/20/01	950																	X			
385-S14-043	S14-DGS-HA03	S14-DGS-HA03-SO-1	Soil	6/20/01	1115																	X			
385-S14-044	S14-DGS-HA03	S14-DGS-HA03-SO-3	Soil	6/20/01	1145																	X			
385-S14-045	S14-DGS-HA03	S14-DGS-HA03-SO-6	Soil	6/20/01	1210																	X			
385-S14-046	S14-DGS-HA04	S14-DGS-HA04-SO-1	Soil	6/19/01	1415																	X			
385-S14-047	S14-DGS-HA04	S14-DGS-HA04-SO-3	Soil	6/19/01	1530																	X			
385-S14-048	S14-DGS-HA04	S14-DGS-HA04-SO-6	Soil	6/20/01	950																	X			
385-S14-049	S14-DGS-HA05	S14-DGS-HA05-SO-0.1	Soil	6/25/01	1150																	X			
385-S14-087	S14-DGS-HA06	S14-DGS-HA06-SO-8.5	Soil	3/1/02	1200							X								X	X				
385-S14-088	S14-DGS-HA07	S14-DGS-HA07-SO-5.0	Soil	3/1/02	1245							X								X	X				
385-S14-089	S14-DGS-HA08	S14-DGS-HA08-SO-2.0	Soil	3/1/02	1310							X								X	X				
385-S14-090	S14-DGS-HA09	S14-DGS-HA09-SO-6.5	Soil	3/1/02	1525							X								X	X				
385-S14-091	S14-DGS-HA10	S14-DGS-HA10-SO-5.0	Soil	3/1/02	1600							X								X	X				
385-S14-092	S14-DGS-HA11	S14-DGS-HA11-SO-2.0	Soil	3/1/02	1615							X								X	X				
Storm Sewer Bedding Investigation																									
385-S14-050	S14-DGS-DP09	S14-DGS-DP09-SO-4	Soil	8/13/01	1415																				X[1]
385-S14-051	S14-DGS-VE01	S14-DGS-VE01-SO-4	Soil	8/8/01	1400																				X[1]
385-S14-052	S14-DGS-VE01	S14-DGS-VE01-GW-4	Water	8/8/01	1410	X		X		X														X	
385-S14-053	S14-DGS-DP10	S14-DGS-DP10-SO-5	Soil	8/13/01	1510																				X[1]
385-S14-054	S14-DGS-VE02	S14-DGS-VE02-SO-5	Soil	8/8/01	1440																				X[1]
385-S14-55	S14-DGS-VE02	S14-DGS-VE02-GW-5	Water	8/8/01	1500	X		X		X														X	
Storm Sewer Infiltration Investigation																									
385-S14-56	S14-DGS-CB-WA	S14-DGS-OF-W-GWI	Water	7/12/01	1120		X		X		X														
385-S14-57	S14-DGS-CB-WA	S14-DGS-OF-W-SED	Sediment	7/12/01	1150		X		X		X											X			
385-S14-58	S14-DGS-CB-BBA	S14-DGS-CB-BBA-GWI	Water	7/12/01	1340		X		X		X														
385-S14-59	S14-DGS-CB-BBC	S14-DGS-CB-BBD-GWI	Water	7/12/01	1330		X		X		X														
Soil Gas Investigation																									

TABLE E-2

SAMPLE IDENTIFICATION NUMBERS FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 14 ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Pesticides (Cl)	Dioxins/Furans	pH	Field Parameters	Geotechnical Analysis
385-S14-60	S14-DGS-SG01	S14-DGS-SG01-SO-1	Soil	7/6/01	1008																				X[2]
385-S14-61	S14-DGS-SG02	S14-DGS-SG02-SO-1	Soil	7/6/01	1038																				X[2]
385-S14-62	S14-DGS-SG03	S14-DGS-SG03-SG-1.5	Soil Gas	7/24/01	911								X	X											
385-S14-63	S14-DGS-SG03	S14-DGS-SG03-SG-4	Soil Gas	7/24/01	1013								X	X											
385-S14-64	S14-DGS-SG03	S14-DGS-SG03-SG-7	Soil Gas	Not Needed									X	X											
385-S14-65	S14-DGS-SG04	S14-DGS-SG04-SO-1	Soil	7/6/01	918																				X[2]
385-S14-66	S14-DGS-SG05	S14-DGS-SG05-SO-1	Soil	7/6/01	940																				X[2]
385-S14-67	S14-DGS-SG06	S14-DGS-SG06-SG-1.5	Soil Gas	7/24/01	1146								X	X											
385-S14-68	S14-DGS-SG06	S14-DGS-SG06-SG-4	Soil Gas	7/24/01	1247								X	X											
385-S14-69	S14-DGS-SG06	S14-DGS-SG06-SG-7	Soil Gas	Not Needed									X	X											
385-S14-70	S14-DGS-SG07	S14-DGS-SG07-SO-1	Soil	7/6/01	1108																				X[2]
385-S14-71	S14-DGS-SG08	S14-DGS-SG08-SO-1	Soil	7/6/01	1121																				X[2]
385-S14-72	S14-DGS-SG09	S14-DGS-SG09-SG-1.5	Soil Gas	7/24/01	1412								X	X											
385-S14-73	S14-DGS-SG09	S14-DGS-SG09-SG-4	Soil Gas	7/24/01	1512								X	X											
385-S14-74	S14-DGS-SG09	S14-DGS-SG09-SG-7	Soil Gas	Not Needed									X	X											
385-S14-75	S14-DGS-SG10	S14-DGS-SG10-SO-1	Soil	7/6/01	840																				X[1]
385-S14-76	S14-DGS-SG11	S14-DGS-SG11-SO-1	Soil	7/6/01	852																				X[2]
385-S14-77	S14-DGS-SG12	S14-DGS-SG12-SG-1.5	Soil Gas	7/25/01	756								X	X											
385-S14-78	S14-DGS-SG12	S14-DGS-SG12-SG-4	Soil Gas	7/25/00	908								X	X											
385-S14-79	S14-DGS-SG12	S14-DGS-SG12-SG-7	Soil Gas	Not Needed									X	X											

CB	Catch Basin	TO-14	VOCs in air
DGS	Data Gap Sample	TPPH	Total Purgeable Petroleum Hydrocarbons
DP	Direct Push	TEPH	Total Extractable Petroleum Hydrocarbons
GW	Groundwater Sample	Cr (VI)	Hexavalent Chromium
GWI	Groundwater Infiltration		
HA	Hand Auger	Field Parameters	Geotechnical Analysis (X[1])
MH	Manhole	Temperature	Particle Size
MW	Monitoring Well	Conductivity	Permeability

Geotechnical Analysis (X[2])
Particle Size
Soil Texture

TABLE E-2

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 14
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Pesticides (Cl)	Dioxins/Furans	pH	Field Parameters	Geotechnical Analysis

SG	Soil Gas	Dissolved Oxygen	Soil Total Porosity	Moisture
VE	Vacuum Extraction	Redox Potential	Soil Dry Bulk Density	Soil Total Porosity
VOC	Volatile Organic Compounds	Turbidity		Soil Dry Bulk Density
SVOC	Semivolatile Organic Compounds	pH		
CN^-	Cyanide	Metals (X^3)		
PCB	Polychlorinated Biphenyls	Total Chromium		

Notes:

Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.

Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.

TABLE E-3

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 15
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN-	T-Chromium	Dissolved Metals	Total Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S15-001	S15-DGS-HA01	S15-DGS-HA01-SO-0.5	Soil	6/21/01	905												X		X				
385-S15-002	S15-DGS-HA01	S15-DGS-HA01-SO-2	Soil	6/21/01	930												X		X				
385-S15-003	S15-DGS-HA02	S15-DGS-HA02-SO-0.5	Soil	6/21/01	945												X		X				
385-S15-004	S15-DGS-HA02	S15-DGS-HA02-SO-2	Soil	6/21/01	950												X		X				
385-S15-005	S15-DGS-HA03	S15-DGS-HA03-SO-0.5	Soil	6/21/01	1030												X		X				
385-S15-006	S15-DGS-HA03	S15-DGS-HA03-SO-2	Soil	6/21/01	1045												X		X				
385-S15-007	S15-DGS-HA04	S15-DGS-HA04-SO-0.5	Soil	6/21/01	1110												X		X				
385-S15-008	S15-DGS-HA04	S15-DGS-HA04-SO-2	Soil	6/21/01	1115												X		X				
385-S15-009	S15-DGS-HA05	S15-DGS-HA05-SO-0.5	Soil	6/21/01	1330												X		X				
385-S15-010	S15-DGS-HA05	S15-DGS-HA05-SO-2	Soil	6/22/01	1000												X		X				
385-S15-011	S15-DGS-HA06	S15-DGS-HA06-SO-0.5	Soil	6/21/01	1345												X		X				
385-S15-012	S15-DGS-HA06	S15-DGS-HA06-SO-2	Soil	6/21/01	1355												X		X				
385-S15-013	S15-DGS-HA07	S15-DGS-HA07-SO-0.5	Soil	6/21/01	1440												X		X				
385-S15-014	S15-DGS-HA07	S15-DGS-HA07-SO-2	Soil	6/21/01	1510												X		X				
385-S15-015	S15-DGS-HA08	S15-DGS-HA08-SO-0.5	Soil	6/22/01	1015												X		X				
385-S15-016	S15-DGS-HA08	S15-DGS-HA08-SO-2	Soil	6/22/01	1019												X		X				
385-S15-017	S15-DGS-HA09	S15-DGS-HA09-SO-0.5	Soil	6/22/01	1058												X		X				
385-S15-018	S15-DGS-HA09	S15-DGS-HA09-SO-2	Soil	6/22/01	1110												X		X				
385-S15-019	S15-DGS-HA10	S15-DGS-HA10-SO-0.5	Soil	6/22/01	1150												X		X				
385-S15-020	S15-DGS-HA10	S15-DGS-HA10-SO-2	Soil	6/22/01	1200												X		X				
385-S15-021	S15-DGS-HA11	S15-DGS-HA11-SO-0.5	Soil	6/22/01	1310												X		X				
385-S15-022	S15-DGS-HA11	S15-DGS-HA11-SO-2	Soil	6/22/01	1315												X		X				
385-S15-023	S15-DGS-HA12	S15-DGS-HA12-SO-0.5	Soil	6/25/01	850												X		X				
385-S15-024	S15-DGS-HA12	S15-DGS-HA12-SO-2	Soil	6/25/01	900												X		X				
385-S15-025	S15-DGS-HA13	S15-DGS-HA13-SO-0.5	Soil	6/25/01	910												X		X				
385-S15-026	S15-DGS-HA13	S15-DGS-HA13-SO-2	Soil	6/25/01	920												X		X				
385-S15-027	S15-DGS-HA14	S15-DGS-HA14-SO-0.5	Soil	6/25/01	930												X		X				
385-S15-028	S15-DGS-HA14	S15-DGS-HA14-SO-2	Soil	6/25/01	935												X		X				
385-S15-029	S15-DGS-HA15	S15-DGS-HA15-SO-0.5	Soil	9/12/01	1400												X		X				
385-S15-030	S15-DGS-HA15	S15-DGS-HA15-SO-2	Soil	9/12/01	1420												X		X				
385-S15-031	S15-DGS-HA16	S15-DGS-HA16-SO-0.5	Soil	9/12/01	1510												X		X				
385-S15-032	S15-DGS-HA16	S15-DGS-HA16-SO-2	Soil	9/12/01	1520												X		X				
385-S15-033	S15-DGS-HA17	S15-DGS-HA17-SO-0.5	Soil	9/12/01	1530												X		X				
385-S15-034	S15-DGS-HA17	S15-DGS-HA17-SO-2	Soil	9/12/01	1545												X		X				

TABLE E-3

SAMPLE IDENTIFICATION NUMBERS FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 15 ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN-	T-Chromium	Dissolved Metals	Total Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S15-035	S15-DGS-HA18	S15-DGS-HA18-SO-0.5	Soil	9/12/01	1600												X		X				
385-S15-036	S15-DGS-HA18	S15-DGS-HA18-SO-2	Soil	9/12/01	1615												X		X				
385-S15-037	S15-DGS-HA19	S15-DGS-HA19-SO-0.5	Soil	Not Sampled													X		X				
385-S15-038	S15-DGS-HA19	S15-DGS-HA19-SO-2	Soil	Not Sampled													X		X				
385-S15-039	S15-DGS-HA20	S15-DGS-HA20-SO-0.5	Soil	Not Sampled													X		X				
385-S15-040	S15-DGS-HA20	S15-DGS-HA20-SO-2	Soil	Not Sampled													X		X				
385-S15-041	S15-DGS-HA21	S15-DGS-HA21-SO-0.5	Soil	Not Sampled													X		X				
385-S15-042	S15-DGS-HA21	S15-DGS-HA21-SO-2	Soil	Not Sampled													X		X				
385-S15-043	S15-DGS-HA22	S15-DGS-HA22-SO-0.5	Soil	Not Sampled													X		X				
385-S15-044	S15-DGS-HA22	S15-DGS-HA22-SO-2	Soil	Not Sampled													X		X				
385-S15-045	S15-DGS-HA23	S15-DGS-HA23-SO-0.5	Soil	Not Sampled													X		X				
385-S15-046	S15-DGS-HA23	S15-DGS-HA23-SO-2	Soil	Not Sampled													X		X				
385-S15-047	S15-DGS-HA24	S15-DGS-HA24-SO-0.5	Soil	Not Sampled													X		X				
385-S15-048	S15-DGS-HA24	S15-DGS-HA24-SO-2	Soil	Not Sampled													X		X				
385-S15-049	S15-DGS-HA25	S15-DGS-HA25-O-0.5	Soil	Not Sampled													X		X				
385-S15-050	S15-DGS-HA25	S15-DGS-HA25-SO-2	Soil	Not Sampled													X		X				
385-S15-051	S15-DGS-HA26	S15-DGS-HA26-SO-0.5	Soil	6/22/01	1400										X			X					

HA-15 THROUGH 25 ARE STEP-OUTS

DGS	Data Gap Sample
GW	Groundwater Sample
HA	Hand Auger
VOC	Volatile Organic Compounds
SVOC	Semivolatile Organic Compounds
CN-	Cyanide
PCB	Polychlorinated Biphenyls
TO-14	VOCs in air
TPPH	Total Purgeable Petroleum Hydrocarbons
TEPH	Total Extractable Petroleum Hydrocarbons

T-Chromium	Total Chromium
Cr (VI)	Hexavalent Chromium

Field Parameters	Geotechnical Analysis (X^1)	Geotechnical Analysis (X^2)
Temperature	Particle Size	Particle Size
Conductivity	Permeability	Soil Texture
Dissolved Oxygen	Soil Total Porosity	Moisture
Redox Potential	Soil Dry Bulk Density	Soil Total Porosity
Turbidity		Soil Dry Bulk Density
pH		

Notes:

Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.

Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.

TA[illegible] E-4

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 16
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	Organo-chlorine, Pesticides & PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-DGS-0100	S16-DGS-DP42	S16-DGS-DP42-GW-8	Water	5/9/02	1308			X																
385-DGS-0101	S16-DGS-DP42	S16-DGS-DP42-GW-12	Water	5/9/02	1335			X																
385-DGS-0102	S16-DGS-DP43	S16-DGS-DP43-GW-8	Water	5/9/02	1408			X																
385-DGS-066	S16-DGS-DP26	S16-DGS-DP26-SO-4	Soil	10/9/01	1045															X				
385-DGS-067	S16-DGS-DP27	S16-DGS-DP27-SO-4	Soil	10/9/01	1115															X				
385-DGS-068	S16-DGS-DP29	S16-DGS-DP29-GW-8	Water	10/18/01	910		X																	
385-DGS-069	S16-DGS-DP29	S16-DGS-DP29-GW-12	Water	10/18/01	925		X																	
385-DGS-070	S16-DGS-DP31	S16-DGS-DP31-GW-8	Water	10/18/01	1010		X																	
385-DGS-071	S16-DGS-DP31	S16-DGS-DP31-GW-12	Water	10/18/01	1035		X																	
385-DGS-072	S16-DGS-DP28	S16-DGS-DP28-GW-8	Water	10/18/01	1105		X																	
385-DGS-073	S16-DGS-DP28	S16-DGS-DP28-GW-12	Water	10/18/01	1120		X																	
385-DGS-074	S16-DGS-DP28	S16-DGS-DP28-GW-16	Water	10/18/01	1150		X																	
385-DGS-075	S16-DGS-DP30	S16-DGS-DP30-GW-8	Water	10/18/01	1305		X																	
385-DGS-076	S16-DGS-DP30	S16-DGS-DP30-GW-12	Water	10/18/01	1320		X																	
385-DGS-080	S16-DGS-DP32	S16-DGS-DP32-GW-8	Water	4/22/02	1110		X	X																
385-DGS-081	S16-DGS-DP32	S16-DGS-DP32-GW-12	Water	4/22/02	1330			X																
385-DGS-082	S16-DGS-DP33	S16-DGS-DP33-GW-8	Water	4/22/02	1400			X																
385-DGS-083	S16-DGS-DP33	S16-DGS-DP33-GW-12	Water	4/22/02	1425			X																
385-DGS-084	S16-DGS-DP34	S16-DGS-DP34-GW-8	Water	4/22/02	1450			X																
385-DGS-085	S16-DGS-DP34	S16-DGS-DP34-GW-12	Water	4/22/02	1520			X																
385-DGS-086	S16-DGS-DP35	S16-DGS-DP35-GW-8	Water	4/22/02	830			X																
385-DGS-087	S16-DGS-DP35	S16-DGS-DP35-GW-12	Water	4/22/02	900			X																
385-DGS-088	S16-DGS-DP36	S16-DGS-DP36-GW-8	Water	4/22/02	925			X																
385-DGS-089	S16-DGS-DP36	S16-DGS-DP36-GW-12	Water	4/22/02	945			X																
385-DGS-090	S16-DGS-DP37	S16-DGS-DP37-GW-8	Water	4/22/02	1015			X																
385-DGS-091	S16-DGS-DP37	S16-DGS-DP37-GW-12	Water	4/22/02	1030			X																
385-DGS-092	S16-DGS-DP38	S16-DGS-DP38-GW-8	Water	4/19/02	1510			X																
385-DGS-093	S16-DGS-DP38	S16-DGS-DP38-GW-12	Water	4/19/02	1530			X																
385-DGS-094	S16-DGS-DP39	S16-DGS-DP39-GW-8	Water	4/19/02	1550			X																
385-DGS-095	S16-DGS-DP39	S16-DGS-DP39-GW-12	Water	4/19/02	1615			X																
385-DGS-096	S16-DGS-DP40	S16-DGS-DP40-GW-8	Water	5/9/02	1615			X																
385-DGS-097	S16-DGS-DP40	S16-DGS-DP40-GW-12	Water	5/9/02	1630			X																
385-DGS-098	S16-DGS-DP41	S16-DGS-DP41-GW-8	Water	5/9/02	1110			X																
385-DGS-099	S16-DGS-DP41	S16-DGS-DP41-GW-12	Water	5/9/02	1128			X																
385-DGS-104	S16-DGS-DP44	S16-DGS-DP44-GW-8	Water	5/10/02	845			X																

TA[illegible] E-4

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 16
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	Organo-chlorine, Pesticides & PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-DGS-104	S16-DGS-DP44	S16-DGS-DP44-GW-8	Water	5/10/02	1320		X	X																
385-DGS-106	S16-DGS-DP45	S16-DGS-DP45-GW-8	Water	5/9/02	1440			X																
385-DGS-108	S16-DGS-DP46	S16-DGS-DP46-GW-8	Water	5/10/02	1100			X																
385-DGS-130	S16-DGS-DP37	S16-DGS-DP37-GW-20	Water	5/9/02	1540			X																
385-S16-001	S16-DGS-DP01	S16-DGS-DP01-GW-7	Water	7/27/01	850	X																		
385-S16-001A	S16-DGS-DP01	S16-DGS-DP01-GW-7	Water	7/27/01	850		X																	
385-S16-002	S16-DGS-DP01	S16-DGS-DP01GW-11	Water	7/27/01	910	X																		
385-S16-003	S16-DGS-DP01	S16-DGS-DP01-GW-13	Water	7/27/01	950	X																		
385-S16-004	S16-DGS-DP01	S16-DGS-DP01-GW-56	Water	7/27/01	1230	X																		
385-S16-005	S16-DGS-DP02	S16-DGS-DP02-GW-7	Water	7/17/01	1400	X																		
385-S16-006	S16-DGS-DP03	S16-DGS-DP03-GW-5.5	Water	7/17/01	1515	X		X		X														
385-S16-006A	S16-DGS-DP03	S16-DGS-DP03-GW-5.5	Water	7/17/01	1515		X		X		X													
385-S16-007	S16-DGS-DP04	S16-DGS-DP04-GW-6	Water	7/25/10	1445	X		X		X														
385-S16-008	S16-DGS-DP05	S16-DGS-DP05-GW-5.5	Water	7/17/01	1600	X		X		X														
385-S16-009	S16-DGS-DP08	S16-DGS-DP08-SO-4	Soil	7/25/01	1400															X				
385-S16-010	S16-DGS-DP09	S16-DGS-DP09-SO-4	Soil	7/27/01	850															X				
385-S16-011	MWC2-1	S16-DGS-MWC2-1-GW	Water	7/6/01	1445		X		X		X													
385-S16-012	MWC2-2	S16-DGS-MWC2-2-GW	Water	6/22/01	1235		X		X		X													
385-S16-013	MWC2-3	S16-DGS-MWC2-3-GW	Water	6/22/01	1035		X		X		X									X				
385-S16-014	M16-04	S16-DGS-M16-04-GW	Water	10/11/01	1845		X		X		X													
385-S16-015	608MJ-MW3	S16-DGS-608MJ-MW3-GW	Water	6/22/01	1130		X		X		X													
385-S16-016	608MJ-MW2	S16-DGS-608MJ-MW2-GW	Water	6/22/01	850		X		X		X													
385-S16-017	608MJ-MW1	S16-DGS-608MJ-MW1-GW	Water	6/22/01	945		X		X		X													
385-S16-018	S16-DGS-DP06	S16-DGS-DP06-SO-4	Soil	Not Needed																				X[1]
385-S16-019	S16-DGS-VE01	S16-DGS-VE01-SO-4	Soil	Not Needed																				X[1]
385-S16-020	S16-DGS-VE01	S16-DGS-VE01-GW-6	Water	Not Needed		X		X		X													X	
385-S16-021	S16-DGS-DP07	S16-DGS-DP07-SO-6	Soil	8/3/01	845																			X[1]
385-S16-022	S16-DGS-VE02	S16-DGS-VE02-SO-4.7	Soil	8/6/01	850																			X[1]
385-S16-023	S16-DGS-VE02	S16-DGS-VE02-GW-5	Water	8/6/01	930	X		X		X													X	
385-S16-024	S16-DGS-CB-1-QA	S16-DGS-CB-1-QA-GWI	Water	7/23/01	838		X		X		X													
385-S16-025	S16-DGS-MH-1Q	S16-DGS-OF-1Q-GWI	Water	7/23/01	915		X		X		X													
385-S16-026	S16-DGS-SG01	S16-DGS-SG01-SO-1	Soil	7/11/01	1022																			X[2]
385-S16-027	S16-DGS-SG02	S16-DGS-SG02-SO-1	Soil	7/11/01	1032																			X[2]
385-S16-028	S16-DGS-SG03	S16-DGS-SG03-SG-1.5	Soil Gas	7/27/01	1217								X	X										

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 16
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	Organo-chlorine, Pesticides & PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S16-029	S16-DGS-SG03	S16-DGS-SG03-SG-4	Soil Gas	7/27/01	1315								X	X										
385-S16-030	S16-DGS-SG03	S16-DGS-SG03-SG-7	Soil Gas	Not Needed									X	X										
385-S16-031	S16-DGS-SG04	S16-DGS-SG04-SO-1	Soil	7/11/01	820																			X[2]
385-S16-032	S16-DGS-SG05	S16-DGS-SG05-SO-1	Soil	7/11/01	832																			X[2]
385-S16-033	S16-DGS-SG06	S16-DGS-SG06-SG-1.5	Soil Gas	7/30/01	830								X	X										
385-S16-034	S16-DGS-SG06	S16-DGS-SG06-SG-4	Soil Gas	7/30/01	935								X	X										
385-S16-035	S16-DGS-SG06	S16-DGS-SG06-SG-7	Soil Gas	Not Needed									X	X										
385-S16-036	S16-DGS-DP11	S16-DGS-DP11-GW-5	Water	8/13/01	1045	X																		
385-S16-037	S16-DGS-DP10	S16-DGS-DP10-GW-5	Water	8/13/01	1600	X																		
385-S16-038	S16-DGS-DP12	S16-DGS-DP12-GW-5	Water	8/16/01	1150	X		X		X														
385-S16-038A	S16-DGS-DP12	S16-DGS-DP12-GW-5	Water	8/16/01	1150		X		X		X													
385-S16-039	S16-DGS-DP01	S16-DGS-DP01-GW-18	Water	8/16/01	1400	X																		
385-S16-040	S16-DGS-DP01	S16-DGS-DP01-GW-25	Water	8/16/01	1450	X																		
385-S16-041	S16-DGS-DP16	S16-DGS-DP16-GW-8	Water	8/23/01	815	X																		
385-S16-042	S16-DGS-DP16	S16-DGS-DP16-GW-12	Water	8/23/01	825	X																		
385-S16-043	S16-DGS-DP16	S16-DGS-DP16-GW-16	Water	8/23/01	855	X																		
385-S16-044	S16-DGS-DP15	S16-DGS-DP15-GW-8	Water	8/23/01	940	X																		
385-S16-045	S16-DGS-DP15	S16-DGS-DP15-GW-12	Water	8/23/01	950	X																		
385-S16-046	S16-DGS-DP15	S16-DGS-DP15-GW-16	Water	8/23/01	1010	X																		
385-S16-047	S16-DGS-DP17	S16-DGS-DP17-GW-8	Water	8/23/01	1050	X																		
385-S16-048	S16-DGS-DP17	S16-DGS-DP17-GW-12	Water	8/23/01	1100	X																		
385-S16-049	S16-DGS-DP17	S16-DGS-DP17-GW-16	Water	8/23/01	1125	X																		
385-S16-050	S16-DGS-DP14	S16-DGS-DP14-GW-5	Water	8/23/01	1200	X																		
385-S16-051	S16-DGS-DP18	S16-DGS-DP18-GW-8	Water	9/10/01	845		X																	
385-S16-052	S16-DGS-DP18	S16-DGS-DP18-GW-12	Water	9/10/01	930		X																	
385-S16-053	S16-DGS-DP19	S16-DGS-DP19-GW-8	Water	9/10/01	1015		X																	
385-S16-054	S16-DGS-DP19	S16-DGS-DP19-GW-12	Water	9/10/01	1035		X																	
385-S16-055	S16-DGS-DP20	S16-DGS-DP20-GW-8	Water	9/10/01	1130		X																	
385-S16-056	S16-DGS-DP13	S16-DGS-DP13-GW-5	Water	9/11/01	1150		X																	
385-S16-057	S16-DGS-DP21	S16-DGS-DP21-GW-8	Water	9/21/01	830		X																	
385-S16-058	S16-DGS-DP22	S16-DGS-DP22-GW-8	Water	9/21/01	915		X																	
385-S16-059	S16-DGS-DP22	S16-DGS-DP22-GW-12	Water	9/21/01	935		X																	
385-S16-060	S16-DGS-DP23	S16-DGS-DP23-GW-8	Water	9/21/01	1030		X																	
385-S16-061	S16-DGS-DP24	S16-DGS-DP24-GW-8	Water	10/8/01	840		X																	
385-S16-062	S16-DGS-DP24	S16-DGS-DP24-GW-12	Water	10/8/01	910		X																	

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES SITE 16
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	Organo-chlorine, Pesticides & PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S16-063	S16-DGS-DP24	S16-DGS-DP24-GW-16	Water	10/8/01	930		X																	
385-S16-064	S16-DGS-DP22	S16-DGS-DP22-GW-16	Water	10/8/01	1015		X																	
385-S16-065	S16-DGS-DP25	S16-DGS-DP25-GW-8	Water	10/8/01	1120		X																	
CB	Catch Basin		SVOC		Semivolatile Organic Compounds																			
DGS	Data Gap Sample		CN^-		Cyanide																			
Direct Push Borings																								
DP	Direct Push		PCB		Polychlorinated Biphenyls																			
GW	Groundwater Sample		TO-14		VOCs in air																			

GWI	Groundwater Infiltration	TPPH	Total Purgeable Petroleum Hydrocarbons	
HA	Hand Auger	TEPH	Total Extractable Petroleum Hydrocarbons	
MH	Manhole	Cr (VI)	Hexavalent Chromium	
Monitoring Wells				
MW	Monitoring Well			
N/A	Not Applicable	Field Parameters	Geotechnical Analysis (X^1)	Geotechnical Analysis (X^2)
Notes:				
RNS	Ribbon NAPL Sample	Temperature	Particle Size	Particle Size
Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.				
SG	Soil Gas	Conductivity	Permeability	Soil Texture
Soil Gas Investigation				
SS	Surface Soil	Dissolved Oxygen	Soil Total Porosity	Moisture
Storm Sewer Bedding Investigation				
Storm Sewer Infiltration Investigation				
VE	Vacuum Extraction	Redox Potential	Soil Dry Bulk Density	Soil Total Porosity
Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.				
VOC	Volatile Organic Compounds	Turbidity		Soil Dry Bulk Density
		pH		

TAB[illegible]E-5

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-A
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
IR Site 9																								
Plume Delineation (Direct Push)																								
385-S09-001	S09-DGS-DP01	S09-DGS-DP01-GW-8	Water	7/18/01	915	X						X*												
385-S09-001A	S09-DGS-DP01	S09-DGS-DP01-GW-8	Water	7/18/01	915	X						X*												
385-S09-002	S09-DGS-DP01	S09-DGS-DP01-GW-15	Water	7/18/01	1000	X						X*												
385-S09-002A	S09-DGS-DP01	S09-DGS-DP01-GW-15	Water	7/18/01	1000	X						X*												
385-S09-003	S09-DGS-DP01	S09-DGS-DP02-GW-30	Water	7/18/01	1035	X						X*												
385-S09-003A	S09-DGS-DP01	S09-DGS-DP02-GW-30	Water	7/18/01	1035	X						X*												
385-S09-004	S09-DGS-DP02	S09-DGS-DP02-GW-8	Water	7/28/01	815	X						X*												
385-S09-004A	S09-DGS-DP02	S09-DGS-DP02-GW-8	Water	7/28/01	815	X						X*												
385-S09-005	S09-DGS-DP02	S09-DGS-DP02-GW-15	Water	7/28/01	835	X						X*												
385-S09-005A	S09-DGS-DP02	S09-DGS-DP02-GW-15	Water	7/28/01	835	X						X*												
385-S09-006	S09-DGS-DP02	S09-DGS-DP02-GW-35	Water	7/28/01	1030	X						X*												
385-S09-006A	S09-DGS-DP02	S09-DGS-DP02-GW-35	Water	7/28/01	1030	X						X*												
385-S09-007	S09-DGS-DP02	S09-DGS-DP02-GW-45	Water	7/28/01	1140	X						X*												
385-S09-007A	S09-DGS-DP02	S09-DGS-DP02-GW-45	Water	7/28/01	1140	X						X*												
385-S09-008	S09-DGS-DP02	S09-DGS-DP02-GW-60	Water	7/28/01	1350	X						X*												
385-S09-008A	S09-DGS-DP02	S09-DGS-DP02-GW-60	Water	7/28/01	1350	X						X*												
385-S09-009	S09-DGS-DP02	S09-DGS-DP02-GW-78	Water	7/28/01	1525	X						X*												
385-S09-009A	S09-DGS-DP02	S09-DGS-DP02-GW-78	Water	7/28/01	1525	X*						X*												
385-S09-010	S09-DGS-DP03	S09-DGS-DP03-GW-10	Water	7/26/01	820	X						X*												
385-S09-010A	S09-DGS-DP03	S09-DGS-DP03-GW-10	Water	7/26/01	820	X						X*												
385-S09-011	S09-DGS-DP03	S09-DGS-DP03-GW-20	Water	7/26/01	945	X						X*												
385-S09-011A	S09-DGS-DP03	S09-DGS-DP03-GW-20	Water	7/26/01	945	X						X*												
385-S09-012	S09-DGS-DP03	S09-DGS-DP03-GW-35	Water	7/26/01	1030	X						X*												
385-S09-012A	S09-DGS-DP03	S09-DGS-DP03-GW-35	Water	7/26/01	1030	X						X*												
385-S09-013	S09-DGS-DP03	S09-DGS-DP03-GW-43	Water	7/26/01	1130	X						X*												
385-S09-013A	S09-DGS-DP03	S09-DGS-DP03-GW-43	Water	7/26/01	1130	X						X*												
385-S09-014	S09-DGS-DP03	S09-DGS-DP03-GW-60	Water	7/26/01	1345	X						X*												
385-S09-014A	S09-DGS-DP03	S09-DGS-DP03-GW-60	Water	7/26/01	1345	X						X*												
385-S09-015	S09-DGS-DP03	S09-DGS-DP03-GW-74	Water	7/26/01	1630	X						X*												
385-S09-015A	S09-DGS-DP03	S09-DGS-DP03-GW-74	Water	7/26/01	1630	X						X*												
385-S09-016	S09-DGS-DP05	S09-DGS-DP05-GW-7	Water	8/3/01	1030	X						X*												
385-S09-016A	S09-DGS-DP05	S09-DGS-DP05-GW-7	Water	8/3/01	1030	X						X*												
385-S09-017	S09-DGS-DP05	S09-DGS-DP05-GW-15	Water	8/3/01	1100	X						X*												
385-S09-017A	S09-DGS-DP05	S09-DGS-DP05-GW-15	Water	8/3/01	1100	X						X*												

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-A
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S09-018	S09-DGS-DP05	S09-DGS-DP05-GW-25	Water	8/3/01	1140	X						X*												
385-S09-018A	S09-DGS-DP05	S09-DGS-DP05-GW-25	Water	8/3/01	1140	X						X*												
385-S09-019	S09-DGS-DP04	S09-DGS-DP04-GW-50	Water	7/25/01	1430	X						X*												
385-S09-019A	S09-DGS-DP04	S09-DGS-DP04-GW-50	Water	7/25/01	1430	X						X*												
385-S09-020	S09-DGS-DP04	S09-DGS-DP04-GW-65	Water	7/25/01	1520	X						X*												
385-S09-020A	S09-DGS-DP04	S09-DGS-DP04-GW-65	Water	7/25/01	1520	X*						X*												
385-S09-021	S09-DGS-DP04	S09-DGS-DP04-GW-80	Water	7/25/01	1800	X						X*												
385-S09-021A	S09-DGS-DP04	S09-DGS-DP04-GW-80	Water	7/25/01	1800	X						X*												
385-S09-022	S09-DGS-DP04	S09-DGS-DP04-GW-8	Water	7/18/01	1140	X						X*												
385-S09-022A	S09-DGS-DP04	S09-DGS-DP04-GW-8	Water	7/18/01	1140	X						X*												
385-S09-023	S09-DGS-DP04	S09-DGS-DP04-GW-15	Water	7/18/01	1210	X						X*												
385-S09-023A	S09-DGS-DP04	S09-DGS-DP04-GW-15	Water	7/18/01	1210	X						X*												
385-S09-024	S09-DGS-DP04	S09-DGS-DP04-GW-25	Water	7/18/01	1245	X						X*												
385-S09-024A	S09-DGS-DP04	S09-DGS-DP04-GW-25	Water	7/18/01	1245	X						X*												
385-S09-043	S09-DGS-DP07	S09-DGS-DP07-GW-7	Water	8/9/01	1505	X																		
385-S09-044	S09-DGS-DP07	S09-DGS-DP07-GW-15	Water	8/9/01	1525	X																		
385-S09-045	S09-DGS-DP08	S09-DGS-DP08-GW-7	Water	8/15/01	1030	X																		
385-S09-046	S09-DGS-DP08	S09-DGS-DP08-GW-15	Water	8/15/01	1050	X																		
385-S09-047	S09-DGS-DP08	S09-DGS-DP08-GW-30	Water	8/15/01	1115	X																		
385-S09-048	S09-DGS-DP08	S09-DGS-DP08-GW-45	Water	8/15/01	1205	X																		
385-S09-049	S09-DGS-DP09	S09-DGS-DP09-GW-7	Water	8/17/01	800	X																		
385-S09-050	S09-DGS-DP09	S09-DGS-DP09-GW-15	Water	8/17/01	855	X																		
385-S09-050A	S09-DGS-DP09	S09-DGS-DP09-GW-15	Water	8/17/01	855		X																	
385-S09-051	S09-DGS-DP09	S09-DGS-DP09-GW-30	Water	8/17/01	930	X																		
385-S09-052	S09-DGS-DP09	S09-DGS-DP09-GW-45	Water	8/17/01	1030	X																		
385-S09-054	S09-DGS-DP10	S09-DGS-DP10-GW-30	Water	8/22/01	915	X																		
385-S09-055	S09-DGS-DP10	S09-DGS-DP10-GW-45	Water	8/22/01	1005	X																		
385-S09-055A	S09-DGS-DP10	S09-DGS-DP10-GW-4.5	Water	8/22/01	1005		X																	
385-S09-056	S09-DGS-DP10	S09-DGS-DP10-GW-58	Water	8/22/01	1115	X																		
385-S09-057	S09-DGS-DP09	S09-DGS-DP09-GW-59	Water	8/22/01	1325	X																		
385-S09-058	S09-DGS-DP11	S09-DGS-DP11-GW-30	Water	8/30/01	1230	X																		
385-S09-059	S09-DGS-DP12	S09-DGS-DP12-GW-30	Water	9/11/01	1505		X																	
Plume Delineation (Monitoring Wells)																								
385-S09-025	MW410-1	S09-DGS-MW-410-1-GW	Water	6/25/01	1210		X		X		X	X*											X	
385-S09-026	MW410-2	S09-DGS-MW-410-2-GW	Water	6/25/01	1030		X		X		X	X*											X	
385-S09-027	MW410-3	S09-DGS-MW-410-3-GW	Water	6/26/01	930		X		X		X	X*											X	

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-A
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S09-028	MW410-4	S09-DGS-MW-410-4-GW	Water	6/26/01	1125		X		X		X	X*											X	
385-S09-029	M09-05	S09-DGS-M09-05-GW	Water	6/25/01	1345		X		X		X	X*											X	
385-S09-030	M09-06	S09-DGS-M09-06-GW	Water	6/25/01	1525		X		X		X	X*											X	
385-S09-031	D09-01	S09-DGS-D09-01-GW	Water	6/25/01	1335		X		X		X	X*											X	
IR Site 13																								
Plume Delineation (Monitoring Wells)																								
385-S13-001	MWOR-1	S13-DGS-MWOR-1-GW	Water	6/27/01	1315		X		X		X	X*											X	
385-S13-002	MWOR-2	S13-DGS-MWOR-2-GW	Water	6/28/01	1115		X		X		X	X*											X	
385-S13-002A	MWOR-2	S13-DGS-MWOR-2-GW	Water	7/19/01	1435						X	X*	Resampled for TPH-p and SVOCs										X	
385-S13-003	MWOR-3	S13-DGS-MWOR-3-GW	Water	6/28/01	940		X		X		X	X*											X	
385-S13-004	MWOR-4	S13-DGS-MWOR-4-GW	Water	6/29/01	1245		X		X		X	X*											X	
385-S13-005	MWOR-5	S13-DGS-MWOR-5-GW	Water	6/29/01	1330		X		X		X	X*											X	
385-S13-006	M13-06	S13-DGS-M13-06-GW	Water	6/27/01	1115		X		X		X	X*											X	
385-S13-007	M13-07	S13-DGS-M13-07-GW	Water	6/27/01	1350		X		X		X	X*											X	
385-S13-007A	M13-07	S13-DGS-M13-07-GW	Water	6/28/01	800		X		X		X	X*											X	
385-S13-008	M13-08	S13-DGS-M13-08-GW	Water	6/28/01	1330		X		X		X	X*											X	
385-S13-009	M13-09	S13-DGS-M13-09-GW	Water	6/28/01	1215		X		X		X	X*											X	
385-S13-010	MW-1	S13-DGS-MW-1-GW	Water	6/27/01	1400		X		X		X	X*											X	
385-S13-010A	MW-1	S13-DGS-MW-1-GW	Water	6/28/01	745		X		X		X	X*												
385-S13-011	D13-01	S13-DGS-D13-01-GW	Water	6/29/01	1145		X		X		X	X*											X	
IR Site 13																								
Tar Samples																								
385-S13-025	S13-DGS-SW1	S13-DGS-SW1-W	Product	5/29/02	1215										Forensic TPH									
385-S13-026	S13-DGS-SW2	S13-DGS-SW2-W	Product	5/29/02	1230										Forensic TPH									
IR Site 19																								
Plume Delineation (Monitoring Wells)																								
385-S19-001	MWD13-1	S19-DGS-MWD13-1-GW	Water	7/2/01	840		X		X		X	X*											X	
385-S19-002	MWD13-2	S19-DGS-MWD13-2-GW	Water	7/2/01	1000		X		X		X	X*											X	
385-S19-003	MWD13-3	S19-DGS-MWD13-3-GW	Water	7/2/01	1115		X		X		X	X*											X	
385-S19-004	MWD13-4	S19-DGS-MWD13-4-GW	Water	7/2/01	1220		X		X		X	X*											X	
385-S19-005	M19-05	S19-DGS-M19-05-GW	Water	7/2/01	1415		X		X		X	X*											X	
385-S19-006	D19-01	S19-DGS-D19-01-GW	Water	7/3/01	1515		X		X		X	X*											X	
IR Site 22																								
Plume Delineation (Monitoring Wells)																								
385-S22-001	MW547-1	S22-DGS-MW547-1-GW	Water	7/5/01	1105		X		X		X	X*											X	
385-S22-002	MW547-2	S22-DGS-MW547-2-GW	Water	7/5/01	1030		X		X		X	X*											X	

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-A
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S22-003	MW547-3	S22-DGS-MW547-3-GW	Water	7/5/01	1200		X		X		X	X*											X	
385-S22-004	MW547-4	S22-DGS-MW547-4-GW	Water	7/5/01	1315		X		X		X	X*											X	
385-S22-005	MW547-5	S22-DGS-MW547-5-GW	Water	7/5/01	1415		X		X		X	X*											X	
385-S22-006	M07C-06	S22-DGS-M07C-06-GW	Water	7/5/01	915		X		X		X	X*											X	
385-S22-007	M07C-07	S22-DGS-M07C-07-GW	Water	7/5/01	1115		X		X		X	X*											X	
385-S22-008	M07C-08	S22-DGS-M07C-08-GW	Water	7/5/01	1315		X		X		X	X*											X	
385-S22-009	M07C-09	S22-DGS-M07C-09-GW	Water	7/5/01	1430		X		X		X	X*											X	
385-S22-010	D07C-01	S22-DGS-D07C-01-GW	Water	7/5/01	930		X		X		X	X*											X	
IR Site 23																								
Site 23 Plume Delineation for Soil Removal (Direct Push)																								
385-S23-001	S23-DGS-DP01	S23-DGS-DP01-01	Soil	8/1/01	1300											X[2]			X					
Plume Delineation (Monitoring Wells)																								
385-S23-002	MW530-1	S23-DGS-MW530-1-GW	Water	7/6/01	945		X		X		X	X*											X	
385-S23-003	MW530-2	S23-DGS-MW530-2-GW	Water	7/6/01	1100		X		X		X	X*											X	
385-S23-004	MW530-3	S23-DGS-MW530-3-GW	Water	7/6/01	1200		X		X		X	X*											X	
385-S23-005	M10B-01	S23-DGS-M10B-01-GW	Water	7/6/01	845		X		X		X	X*											X	
385-S23-006	D10B-01	S23-DGS-D10B-01-GW	Water	7/9/01	1130		X		X		X	X*											X	
385-S23-007	D10B-02	S23-DGS-D10B-02-GW	Water	7/9/01	1330		X		X		X	X*											X	
385-S23-008	530MJ-MW1-MOJ	S23-DGS-530MJ-MW1-GW	Water	7/9/01	1120		X		X		X	X*	Sampled the Product Only										X	
385-S23-009	530MJ-MW2-MOJ	S23-DGS-530MJ-MW2-GW	Water	7/9/01	1200		X		X		X	X*	Sampled the Product Only										X	
385-S23-010	530MJ-MW3-MOJ	S23-DGS-530MJ-MW3-GW	Water	7/6/01	1000		X		X		X	X*											X	
385-S23-011	530MJ-MW4-MOJ	S23-DGS-530MJ-MW4-GW	Water	7/6/01	1120		X		X		X	X*											X	
385-S23-012	530MJ-MW5-MOJ	S23-DGS-530MJ-MW5-GW	Water	7/6/01	1315		X		X		X	X*											X	
OU-2A Storm Sewer Investigation																								
Storm Sewer Bedding Investigation																								
385-S09-032	S09-DGS-DP06	S09-DGS-DP06-SO-8	Soil	8/14/01	1430																			X[1]
385-S09-033	S09-DGS-VE01	S09-DGS-VE01-SO-8	Soil	8/7/01	1355																			X[1]
385-S09-034	S09-DGS-VE01	S09-DGS-VE01-GW-8.5	Water	8/7/01	1400	X		X		X		X*											X	
385-S09-034A	S09-DGS-VE01	S09-DGS-VE01-GW-8.5	Water	8/7/01	1400							X*												
385-S13-012	S13-DGS-DP01	S13-DGS-DP01-SO-5.5	Soil	8/16/01	830																			X[1]
385-S13-013	S13-DGS-VE01	S13-DGS-VE01-SO-5.5	Soil	8/8/01	820																			X[1]
385-S13-014	S13-DGS-VE01	S13-DGS-VE01-GW-5.5	Water	8/8/01	830	X		X		X		X*											X	
385-S13-014A	S13-DGS-VE01	S13-DGS-VE01-GW-5.5	Water	8/8/01	830							X*												
385-S13-015	S13-DGS-DP02	S13-DGS-DP02-SO-8	Soil	8/15/01	840																			X[1]

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-A
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S13-016	S13-DGS-VE02	S13-DGS-VE02-SO-8	Soil	8/7/01	1530																			X[1]
385-S13-017	S13-DGS-VE02	S13-DGS-VE02-GW-8.5	Water	8/7/01	1540	X		X		X		X*											X	
385-S13-017A	S13-DGS-VE02	S13-DGS-VE02-GW-8.5	Water	8/7/01	1540		X		X		X	X*												
385-S13-027	S13-DGS-VE03	S13-DGS-VE02-GW-7	Water	4/26/02	840		X		X		X													
385-S23-013	S23-DGS-DP02	S23-DGS-DP02-SO-7.75	Soil	8/14/01	1615																			X[1]
385-S23-014	S23-DGS-VE01	S23-DGS-VE01-SO-7.75	Soil	8/8/01	925																			X[1]
385-S23-015	S23-DGS-VE01	S23-DGS-VE01-GW-8	Water	8/8/01	9440	X		X		X		X*											X	
385-S23-015A	S23-DGS-VE01	S23-DGS-VE01-GW-8	Water	8/8/01	9440							X*												
385-S23-022	S23-DGS-VE02	S23-DGS-VE02-SO-7	Soil	8/21/01	1135																			X[1]
385-S23-023	S23-DGS-VE02	S23-DGS-VE02-GW-8	Water	8/21/01	1145	X				X														
Storm Sewer Infiltration Investigation																								
385-S09-035	S09-MH-1-5	S09-DGS-MH-1-5-GWI	Water	7/24/01	944		X					X*												
385-S09-036	S09-MH-3-J	S09-DGS- MH-3-J-GWI	Water	7/20/01	935		X					X*												
385-S09-037	S09-MH-5-O	S09-DGS- MH-5-O-GWI	Water	Not Sampled			X					X*												
385-S23-016	S23-MH-2-P	S23-DGS- MH-2-P-GWI	Water	7/13/01	940		X		X		X	X*												
Soil Gas Investigation																								
385-S09-038	S09-DGS-SG01	S09-DGS-SG01-SO-1	Soil	7/11/01	1344																			X[2]
385-S09-039	S09-DGS-SG02	S09-DGS-SG02-SO-1	Soil	7/11/01	1356																			X[2]
385-S09-040	S09-DGS-SG03	S09-DGS-SG03-SG-1.5	Soil Gas	7/26/01	1415								X	X										
385-S09-041	S09-DGS-SG03	S09-DGS-SG03-SG-4.0	Soil Gas	7/26/01	1525								X	X										
385-S09-042	S09-DGS-SG03	S09-DGS-SG03-SG-7.5	Soil Gas	Not Sampled									X	X										
385-S13-018	S13-DGS-SG01	S13-DGS-SG01-SO-1	Soil	7/10/01	1333																			X[2]
385-S13-019	S13-DGS-SG02	S13-DGS-SG02-SO-1	Soil	7/10/01	1347																			X[2]
385-S13-020	S13-DGS-SG03	S13-DGS-SG03-SG-1.5	Soil Gas	7/26/01	837								X	X										
385-S13-021	S13-DGS-SG03	S13-DGS-SG03-SG-4.0	Soil Gas	7/26/01	1002								X	X										
385-S13-022	S13-DGS-SG03	S13-DGS-SG03-SG-7.5	Soil Gas	Not Sampled									X	X										
385-S22-011	S22-DGS-SG01	S22-DGS-SG01-SO-1	Soil	7/10/01	1125																			X[2]
385-S22-012	S22-DGS-SG02	S22-DGS-SG02-SO-1.5	Soil	7/10/01	1148																			X[2]
385-S22-013	S22-DGS-SG03	S22-DGS-SG03-SG-1.5	Soil Gas	7/26/01	1130								X	X										
385-S22-014	S22-DGS-SG03	S22-DGS-SG03-SG-4.0	Soil Gas	7/26/01	1227								X	X										
385-S22-015	S22-DGS-SG03	S22-DGS-SG03-SG-7.5	Soil Gas	Not Sampled									X	X										
385-S23-017	S23-DGS-SG01	S23-DGS-SG01-SO-1	Soil	7/10/01	1453																			X[2]
385-S23-018	S23-DGS-SG02	S23-DGS-SG02-SO-1	Soil	7/10/01	1444																			X[2]

TABLE E-5

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-A
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S23-019	S23-DGS-SG03	S23-DGS-SG03-SG-1.5	Soil Gas	7/27/01	855								X	X										
385-S23-020	S23-DGS-SG03	S23-DGS-SG03-SG-4.0	Soil Gas	7/27/01	957								X	X										
385-S23-021	S23-DGS-SG03	S23-DGS-SG03-SG-7.5	Soil Gas	Not Sampled									X	X										

CB	Catch Basin	SVOC	Semivolatile Organic Compounds
DGS	Data Gap Sample	CN-	Cyanide
DP	Direct Push	PCB	Polychlorinated Biphenyls
GW	Groundwater Sample	TO-14	VOCs in air
GWI	Groundwater Infiltration	TPPH	Total Purgeable Petroleum Hydrocarbons
HA	Hand Auger	TEPH	Total Extractable Petroleum Hydrocarbons
MH	Manhole	Cr (VI)	Hexavalent Chromium
MW	Monitoring Well		
N/A	Not Applicable		
RNS	Ribbon NAPL Sample		
SG	Soil Gas		
SS	Surface Soil		
VE	Vacuum Extraction		
VOC	Volatile Organic Compounds		

Field Parameters	Geotechnical Analysis (X[1])	Geotechnical Analysis (X[2])	Metals (X[3])
Temperature	Particle Size	Particle Size	Total Chromium
Conductivity	Permeability	Soil Texture	
Dissolved Oxygen	Soil Total Porosity	Moisture	
Redox Potential	Soil Dry Bulk Density	Soil Total Porosity	
Turbidity		Soil Dry Bulk Density	
pH			

Notes:

Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.

Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.

* Groundwater samples from monitoring wells submitted for SVOC analysis will be extracted for full-scan GC/MS (8270C) and selected ion monitoring GC/MS (8270SIM). If results for benzo(a)pyrene (BaP) by full-scan GC/MS are reported as non-detect at the 10 ug/L detection limit, then the 8270SIM extract will be analyzed in an attempt to meet the residential PRG of 0.2 ug/L for BaP.

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
IR Site 3																								
Plume Delineation (Direct Push)																								
385-S03-001	S03-DGS-DP01	S03-DGS-DP01-SO-5	Soil	7/23/01	845	X		X		X														
385-S03-002	S03-DGS-DP01	S03-DGS-DP01-GW-7	Water	7/23/01	1000	X		X		X														
385-S03-003	S03-DGS-DP02	S03-DGS-DP02-SO-5.5	Soil	7/23/01	1045	X		X		X														
385-S03-004	S03-DGS-DP02	S03-DGS-DP02-GW-7	Water	7/23/01	1120	X		X		X														
385-S03-005	S03-DGS-DP03	S03-DGS-DP03-SO-5	Soil	7/23/01	1240	X		X		X														
385-S03-006	S03-DGS-DP03	S03-DGS-DP03-GW-5	Water	7/23/01	1310	X		X		X														
385-S03-088	S03-DGS-DP03	S03-DGS-DP03-GW-10	Water	8/9/01	1055	X																		
385-S03-007	S03-DGS-DP04	S03-DGS-DP04-SO-4	Soil	7/23/01	1400	X		X		X														
385-S03-008	S03-DGS-DP04	S03-DGS-DP04-GW-4	Water	7/23/01	1430	X		X		X														
385-S03-009	S03-DGS-DP05	S03-DGS-DP05-SO-4.5	Soil	7/23/01	1520	X		X		X														
385-S03-009A	S03-DGS-DP05	S03-DGS-DP05-SO-4.5	Soil	7/23/01	1520		X		X		X													
385-S03-010	S03-DGS-DP05	S03-DGS-DP05-GW-8	Water	7/24/01	830	X		X		X														
385-S03-010A	S03-DGS-DP05	S03-DGS-DP05-GW-8	Water	7/24/01	830		X		X		X													
385-S03-087	S03-DGS-DP20	S03-DGS-DP20-GW-5	Water	8/9/01	1015	X																		
385-S03-089	S03-DGS-DP20	S03-DGS-DP20-GW-10	Water	8/17/01	1320	X		X																
385-S03-090	S03-DGS-DP21	S03-DGS-DP21-GW-5	Water	8/17/01	1350	X		X																
385-S03-091	S03-DGS-DP21	S03-DGS-DP21-GW-10	Water	8/17/01	1420	X		X																
385-S03-092	S03-DGS-DP22	S03-DGS-DP22-GW-5	Water	8/17/01	1450	X		X																
385-S03-093	S03-DGS-DP22	S03-DGS-DP22-GW-10	Water	8/17/01	1520	X		X																
385-S03-094	S03-DGS-DP23	S03-DGS-DP23-GW-5	Water	8/20/01	830	X		X																
385-S03-095	S03-DGS-DP23	S03-DGS-DP23-GW-10	Water	8/20/01	900	X		X																
385-S03-096	S03-DGS-DP24	S03-DGS-DP24-GW-5	Water	8/23/01	900	X		X																
385-S03-097	S03-DGS-DP24	S03-DGS-DP24-GW-12	Water	8/23/01	945	X		X																
385-S03-098	S03-DGS-DP25	S03-DGS-DP25-GW-5	Water	8/23/01	1045	X		X																
385-S03-099	S03-DGS-DP25	SO3-DGS-DP25-GW-12	Water	8/23/01	1145	X		X																
385-S03-100	S03-DGS-DP26	S03-DGS-DP26-GW-8	Water	8/28/01	1240	X		X																
385-S03-101	S03-DGS-DP26	S03-DGS-DP26-GW-14	Water	8/28/01	1345	X		X																
385-S03-109	S03-DGS-DP28	S03-DGS-DP28-GW-5	Water	9/10/01	1440		X		X															
385-S03-110	S03-DGS-DP29	S03-DGS-DP29-GW-5	Water	9/10/01	1510		X		X															
385-S03-143	S03-DGS-DP16	S03-DGS-DP16-GW-6	Water	5/10/02	935		X		X															
385-S03-111	S03-DGS-DP30	S03-DGS-DP30-GW-5	Water	9/10/01	1410		X		X															
Plume Delineation for Soil Removal (Direct Push)																								
385-S03-011	S03-DGS-DP06	S03-DGS-DP06-SO-1	Soil	6/18/01	1045											X[1]								
385-S03-012	S03-DGS-DP06	S03-DGS-DP06-SO-3	Soil	6/18/01	1050											X[1]								
385-S03-013	S03-DGS-DP06	S03-DGS-DP06-SO-5	Soil	6/18/01	1055											X[1]								
385-S03-015	S03-DGS-DP07	S03-DGS-DP07-SO-1	Soil	6/18/01	1132											X[1]								
385-S03-016	S03-DGS-DP07	S03-DGS-DP07-SO-3	Soil	6/18/01	1144											X[1]								
385-S03-017	S03-DGS-DP07	S03-DGS-DP07-SO-5	Soil	6/18/01	1150											X[1]								
385-S03-018	S03-DGS-DP07	S03-DGS-DP07-GW-5	Water	6/18/01	1300												X[2]							
385-S03-019	S03-DGS-DP08	S03-DGS-DP08-SO-1	Soil	6/18/01	1110											X[1]								
385-S03-020	S03-DGS-DP08	S03-DGS-DP08-SO-3	Soil	6/18/01	1120											X[1]								
385-S03-021	S03-DGS-DP08	S03-DGS-DP08-SO-5	Soil	6/18/01	1121											X[1]								

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S03-023	S03-DGS-DP09	S03-DGS-DP09-SO-1	Soil	6/18/01	1545											X[1]								
385-S03-024	S03-DGS-DP09	S03-DGS-DP09-SO-4	Soil	6/18/01	1547											X[1]								
385-S03-025	S03-DGS-DP09	S03-DGS-DP09-SO-6	Soil	6/18/01	1554											X[1]								
385-S03-026	S03-DGS-DP09	S03-DGS-DP09-GW-5	Water	6/18/01	1450												X[1]							
385-S03-027	S03-DGS-DP10	S03-DGS-DP10-SO-1	Soil	6/18/01	1607											X[1]								
385-S03-028	S03-DGS-DP10	S03-DGS-DP10-SO-4	Soil	6/18/01	1614											X[1]								
385-S03-029	S03-DGS-DP10	S03-DGS-DP10-SO-6	Soil	6/18/01	1616											X[1]								
385-S03-030	S03-DGS-DP11	S03-DGS-DP11-SO-1	Soil	6/19/01	900											X[1]								
385-S03-031	S03-DGS-DP11	S03-DGS-DP11-SO-4	Soil	6/19/01	911											X[1]								
385-S03-032	S03-DGS-DP11	S03-DGS-DP11-SO-6	Soil	6/19/01	1007											X[1]								
385-S03-033	S03-DGS-DP12	S03-DGS-DP12-SO-1	Soil	6/19/01	1113											X[1]								
385-S03-034	S03-DGS-DP12	S03-DGS-DP12-SO-4	Soil	6/19/01	1119											X[1]								
385-S03-035	S03-DGS-DP12	S03-DGS-DP12-SO-6	Soil													X[1]								
385-S03-036	S03-DGS-DP12	S03-DGS-DP12-GW-5	Water	6/19/01	1042												X[1]							
385-S03-037	S03-DGS-DP13	S03-DGS-DP13-SO-1	Soil	6/19/01	932											X[1]								
385-S03-038	S03-DGS-DP13	S03-DGS-DP13-SO-4	Soil	6/19/01	944											X[1]								
385-S03-039	S03-DGS-DP13	S03-DGS-DP13-SO-6	Soil	6/19/01	949											X[1]								
385-S03-069	S03-DGS-DP14	S03-DGS-DP14-SO-1	Soil	8/2/01	1015											X[3]								
385-S03-070	S03-DGS-DP14	S03-DGS-DP14-SO-4	Soil	8/2/01	1020											X[3]								
385-S03-071	S03-DGS-DP14	S03-DGS-DP14-SO-6	Soil	8/2/01	1030											X[3]								
385-S03-072	S03-DGS-DP14	S03-DGS-DP14-GW-3	Water	8/2/01	1040											X[3]								
385-S03-073	S03-DGS-DP15	S03-DGS-DP15-SO-1	Soil	8/2/01	900											X[3]								
385-S03-074	S03-DGS-DP15	S03-DGS-DP15-SO-4	Soil	8/2/01	950											X[3]								
385-S03-075	S03-DGS-DP15	S03-DGS-DP15-SO-6	Soil	8/2/01	1000											X[3]								
385-S03-076	S03-DGS-DP16	S03-DGS-DP16-SO-1	Soil	8/1/01	1455													X						
385-S03-077	S03-DGS-DP16	S03-DGS-DP16-SO-4	Soil	8/1/01	1500													X						
385-S03-078	S03-DGS-DP16	S03-DGS-DP16-SO-6	Soil	8/1/01	1510													X						
385-S03-079	S03-DGS-DP17	S03-DGS-DP17-SO-1	Soil	8/1/01	1340													X						
385-S03-080	S03-DGS-DP17	S03-DGS-DP17-SO-4	Soil	8/1/01	1345													X						
385-S03-081	S03-DGS-DP17	S03-DGS-DP17-SO-6	Soil	8/1/01	1345													X						
385-S03-082	S03-DGS-DP18	S03-DGS-DP18-SO-4	Soil	8/1/01	1410													X						
385-S03-083	S03-DGS-DP18	S03-DGS-DP18-SO-6	Soil	8/1/01	1420													X						
385-S03-084	S03-DGS-DP19	S03-DGS-DP19-SO-4	Soil	8/2/01	1120											X[3]								
385-S03-085	S03-DGS-DP19	S03-DGS-DP19-SO-6	Soil	8/2/01	1140											X[3]								
385-S03-086	S03-DGS-DP19	S03-DGS-DP19-GW-4.5	Water	8/2/01	1145											X[3]								
385-S03-116	S03-DGS-DP31	S03-DGS-DP31-SO-4	Soil	9/24/01	1015											X[3]								
385-S03-117	S03-DGS-DP31	S03-DGS-DP31-SO-6	Soil	9/24/01	1030											X[3]								
385-S03-118	S03-DGS-DP31	S03-DGS-DP31-GW-6	Water	9/24/01	1050												X[3]							
385-S03-125	S03-DGS-DP32	S03-DGS-DP32-SO-4	Soil	9/24/01	1450											X[3]								

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S03-126	S03-DGS-DP32	S03-DGS-DP32-SO-6	Soil	9/24/01	1455											X[5]								
385-S03-127	S03-DGS-DP32	S03-DGS-DP32-GW-6	Water	9/24/01	1515												X[5]							
385-S03-112	S03-DGS-DP33	S03-DGS-DP33-SO-1	Soil	9/24/01	835											X[5]								
385-S03-113	S03-DGS-DP33	S03-DGS-DP33-SO-4	Soil	9/24/01	840											X[5]								
385-S03-114	S03-DGS-DP33	S03-DGS-DP33-SO-6	Soil	9/24/01	845											X[5]								
385-S03-115	S03-DGS-DP33	S03-DGS-DP33-GW-6	Water	9/24/01	935												X[5]							
385-S03-119	S03-DGS-DP34	S03-DGS-DP34-SO-1	Soil	9/24/01	1115											X[5]								
385-S03-120	S03-DGS-DP34	S03-DGS-DP34-SO-4	Soil	9/24/01	1120											X[5]								
385-S03-121	S03-DGS-DP34	S03-DGS-DP34-SO-6	Soil	9/24/01	1125											X[5]								
385-S03-122	S03-DGS-DP34	S03-DGS-DP34-GW-6	Water	9/24/01	1210												X[5]							
385-S03-123	S03-DGS-DP35	S03-DGS-DP35-SO-6	Soil	9/24/01	1345											X[5]								
385-S03-124	S03-DGS-DP35	S03-DGS-DP35-GW-6	Water	9/24/01	1400												X[5]							
385-S03-118	S03-DGS-DP36	S03-DGS-DP36-SO-6	Soil	11/6/01	1330													X						
385-S03-119	S03-DGS-DP36	S03-DGS-DP36-GW-6.5	Water	11/6/01	1415													X						
385-S03-121	S03-DGS-DP37	S03-DGS-DP37-SO-6	Soil	11/6/01	935													X						
385-S03-122	S03-DGS-DP37	S03-DGS-DP37-GW-6.5	Water	11/6/01	945													X						
385-S03-132	S03-DGS-DP38	S03-DGS-DP38-SO-6.0	Soil	2/8/02	1215											X[5]								
385-S03-133	S03-DGS-DP38	S03-DGS-DP38-GW-6.0	Water	2/8/02	1400											X[5]								
385-S03-134	S03-DGS-DP39	S03-DGS-DP39-SO-6.0	Soil	2/8/02	1020											X[5]								
385-S03-135	S03-DGS-DP39	S03-DGS-DP39-GW-6.0	Water	2/8/02	1045											X[5]								
385-S03-136	S03-DGS-DP40	S03-DGS-DP40-SO-6.0	Soil	2/8/02	1420											X[5]								
385-S03-137	S03-DGS-DP40	S03-DGS-DP40-GW-6.0	Water	2/8/02	1445											X[5]								
385-S03-138	S03-DGS-DP38	S03-DGS-DP38-SO-5.5	Soil	2/8/02	1220						X													
385-S03-139	S03-DGS-DP17	S03-DGS-DP17-SO-6	Water	4/23/02	1400													X						
385-S03-140	S03-DGS-DP18	S03-DGS-DP18-SO-6	Water	4/23/02	1440													X						
385-S03-141	S03-DGS-DP41	S03-DGS-DP41-SO-6	Water	4/23/02	1500													X						
Plume Delineation (Monitoring Wells)																								
385-S03-040	MW97-1	S03-MW97-1-GW	Water	6/28/01	1155		X		X		X	X*											X	
385-S03-041	MW97-2	S03-MW97-2-GW	Water	6/28/01	1535		X		X		X	X*											X	
385-S03-042	MW97-3	S03-MW97-3-GW	Water	6/28/01	1015		X		X		X	X*											X	
385-S03-043	M03-04	S03-M03-04-GW	Water	6/27/01	1500		X		X		X	X*											X	
385-S03-044	M03-05	S03-M03-05-GW	Water	6/27/01	1530		X		X		X	X*											X	
385-S03-045	M03-06	S03-M03-06-GW	Water	6/27/01	911		X		X		X	X*											X	
385-S03-046	M03-07	S03-M03-07-GW	Water	6/29/01	1340		X		X		X	X*											X	
385-S03-047	M03-08A	S03-M03-08A-GW	Water	6/28/01	1250		X		X		X	X*											X	
385-S03-048	D03-01	S03-D03-01-GW	Water	6/29/01	1010		X		X		X	X*											X	
IR Site 4																								
DNAPL Investigation																								
N/A	S04-DGS-DP01	S04-DGS-DP01-RNS-20	N/A	8/20/01	Completed																			

TAB[illegible]-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
N/A	S04-DGS-DP02	S04-DGS-DP02-RNS-20	N/A	8/6/01	Completed																			
N/A	S04-DGS-DP03	S04-DGS-DP03-RNS-15	N/A	8/25/01	Completed																			
N/A	S04-DGS-DP04	S04-DGS-DP04-RNS-18	N/A	8/6/01	Completed																			
N/A	S04-DGS-DP05	S04-DGS-DP05-RNS-30	N/A	8/2/01	Completed																			
N/A	S04-DGS-DP06	S04-DGS-DP06-RNS-30	N/A	8/8/01	Completed																			
N/A	S04-DGS-DP07	S04-DGS-DP07-RNS-30	N/A	8/3/01	Completed																			
N/A	S04-DGS-DP08	S04-DGS-DP08-RNS-30	N/A	8/3/01	Completed																			
Site 4 DNAPL Step-out Locations (Direct Push)																								
385-S04-001	S04-DGS-DP03	S04-DGS-DP03-GW-13	Water	7/3/01	1540	X																		
385-S04-002	S04-DGS-DP05	S04-DGS-DP05-GW-13	Water	8/3/01	1340	X																		
385-S04-003	S04-DGS-DP05	S04-DGS-DP05-GW-25	Water	8/3/01	1410	X																		
385-S04-004	S04-DGS-DP05	S04-DGS-DP05-GW-30	Water	8/3/01	1450	X																		
385-S04-004A	S04-DGS-DP05	S04-DGS-DP05-GW-30	Water	8/3/01	1450		X																	
385-S04-005	S04-DGS-DP05	S04-DGS-DP05-GW-35	Water	8/3/01	1525	X																		
385-S04-006	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-007	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-008	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-009	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-010	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-011	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-012	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-013	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-014	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-015	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-016	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-017	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-018	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-019	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
385-S04-020	S04-DGS-DP##	S04-DGS-DP##-GW-#	Water			X	Sample Number Not Needed																	
Site 4 Plume Delineation (Direct Push)																								
385-S04-209	S04-DGS-DP01	S04-DGS-DP01-GW-8	Water	8/20/01	1000	X																		
385-S04-210	S04-DGS-DP01	S04-DGS-DP01-GW-15	Water	8/20/01	1030	X																		
385-S04-211	S04-DGS-DP01	S04-DGS-DP01-GW-20	Water	8/20/01	1120	X																		
385-S04-021	S04-DGS-DP06	S04-DGS-DP06-SO-3	Soil	5/10/02	1650											X[2]			X			X		
385-S04-022	S04-DGS-DP06	S04-DGS-DP06-SO-5	Soil	5/10/02	1655											X[2]			X			X		
385-S04-023	S04-DGS-DP06	S04-DGS-DP06-GW-8	Water	5/10/02	1710												X[2]		X			X		
385-S04-024	S04-DGS-DP09	S04-DGS-DP09-GW-10	Water	7/19/01	930	X																		
385-S04-024A	S04-DGS-DP09	S04-DGS-DP09-GW-10	Water	7/19/01	930		X																	
385-S04-025	S04-DGS-DP09	S04-DGS-DP09-GW-20	Water	7/19/01	1005	X																		
385-S04-026	S04-DGS-DP09	S04-DGS-DP09-GW-35	Water	7/19/01	1045	X																		
385-S04-027	S04-DGS-DP09	S04-DGS-DP09-GW-40	Water	7/19/01	1145	X																		
385-S04-028	S04-DGS-DP09	S04-DGS-DP09-GW-50	Water	7/19/01	1300	X																		
385-S04-029	S04-DGS-DP10	S04-DGS-DP10-GW-7	Water	7/31/01	950	X																		
385-S04-030	S04-DGS-DP10	S04-DGS-DP10-GW-12	Water	7/31/01	1140	X																		
385-S04-030A	S04-DGS-DP10	S04-DGS-DP10-GW-12	Water	7/31/01	1140		X																	

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-031	S04-DGS-DP10	S04-DGS-DP10-GW-15	Water	7/31/01	1150	X																		
385-S04-032	S04-DGS-DP10	S04-DGS-DP10-GW-25	Water	7/31/01	1220	X																		
385-S04-240	S04-DGS-DP10	S04-DGS-DP10-GW-35	Water	8/30/01	815	X																		
385-S04-245	S04-DGS-DP10	S04-DGS-DP10-GW-48	Water	9/6/01	1010	X																		
385-S04-246	S04-DGS-DP10	S04-DGS-DP10-GW-60	Water	9/6/01	1115	X																		
385-S04-262	S04-DGS-DP10	S04-DGS-DP10-GW-75	Water	9/20/01	1125		X																	
385-S04-033	S04-DGS-DP11	S04-DGS-DP11-GW-6	Water	7/31/01	1340	X																		
385-S04-034	S04-DGS-DP11	S04-DGS-DP11-GW-10	Water	7/31/01	1350	X																		
385-S04-035	S04-DGS-DP11	S04-DGS-DP11-GW-20	Water	7/31/01	1410	X																		
385-S04-036	S04-DGS-DP11	S04-DGS-DP11-GW-30	Water	7/31/01	1505	X																		
385-S04-037	S04-DGS-DP11	S04-DGS-DP11-GW-40	Water	7/31/01	1645	X																		
385-S04-038	S04-DGS-DP11	S04-DGS-DP11-GW-50	Water	8/1/01	900	X																		
385-S04-039	S04-DGS-DP12	S04-DGS-DP12-GW-6	Water	8/1/01	1015	X																		
385-S04-040	S04-DGS-DP12	S04-DGS-DP12-GW-10	Water	8/1/01	1045	X																		
385-S04-041	S04-DGS-DP12	S04-DGS-DP12-GW-20	Water	8/1/01	1130	X																		
385-S04-042	S04-DGS-DP12	S04-DGS-DP12-GW-30	Water	8/1/01	1200	X																		
385-S04-043	S04-DGS-DP12	S04-DGS-DP12-GW-40	Water	8/1/01	1315	X																		
385-S04-044	S04-DGS-DP12	S04-DGS-DP12-GW-50	Water	8/1/01	1430	X																		
385-S04-045	S04-DGS-DP13	S04-DGS-DP13-GW-6	Water	8/1/01	1530	X																		
385-S04-045A	S04-DGS-DP13	S04-DGS-DP13-GW-6	Water	8/1/01	1530		X																	
385-S04-046	S04-DGS-DP13	S04-DGS-DP13-GW-10	Water	8/2/01	800	X																		
385-S04-047	S04-DGS-DP13	S04-DGS-DP13-GW-20	Water	8/2/01	845	X																		
385-S04-048	S04-DGS-DP13	S04-DGS-DP13-GW-30	Water	8/2/01	920	X																		
385-S04-049	S04-DGS-DP13	S04-DGS-DP13-GW-40	Water	8/2/01	1020	X																		
385-S04-050	S04-DGS-DP13	S04-DGS-DP13-GW-50	Water	8/2/01	1130	X																		
385-S04-051	S04-DGS-DP14	S04-DGS-DP14-GW-5	Water			X	Not collected; No Water Until 9 ft																	
385-S04-052	S04-DGS-DP14	S04-DGS-DP14-GW-10	Water	7/24/01	1105	X																		
385-S04-052A	S04-DGS-DP14	S04-DGS-DP14-GW-10	Water	7/24/01	1105		X																	
385-S04-053	S04-DGS-DP14	S04-DGS-DP14-GW-25	Water	7/24/01	1210	X																		
385-S04-054	S04-DGS-DP14	S04-DGS-DP14-GW-35	Water	7/24/01	1415	X																		
385-S04-055	S04-DGS-DP14	S04-DGS-DP14-GW-45	Water	7/24/01	1515	X																		
385-S04-056	S04-DGS-DP14	S04-DGS-DP14-GW-55	Water	7/24/01	1615	X																		
385-S04-057	S04-DGS-DP15	S04-DGS-DP15-SO-4.5	Soil	8/7/01	1105	X		X		X														
385-S04-057A	S04-DGS-DP15	S04-DGS-DP15-SO-4	Soil	8/7/01	1105		X		X		X													
385-S04-058	S04-DGS-DP15	S04-DGS-DP15-GW-4.5	Water	8/8/01	800	X		X		X														
385-S04-059	S04-DGS-DP16	S04-DGS-DP16-SO-1	Soil	6/20/01	1107											X						X		
385-S04-060	S04-DGS-DP16	S04-DGS-DP16-SO-3	Soil	6/20/01	1110											X						X		
385-S04-061	S04-DGS-DP16	S04-DGS-DP16-SO-5	Soil	6/20/01	1116											X						X		
385-S04-062	S04-DGS-DP16	S04-DGS-DP16-GW-5	Water	6/20/01	1151											X								
385-S04-063	S04-DGS-DP17	S04-DGS-DP17-SO-3	Soil	6/20/01	907											X			X			X		
385-S04-064	S04-DGS-DP17	S04-DGS-DP17-SO-5	Soil	6/20/01	915											X			X			X		
385-S04-065	S04-DGS-DP17	S04-DGS-DP17-GW-5	Water	6/20/01	1008												X		X			X		
385-S04-065A	S04-DGS-DP17	S04-DGS-DP17-GW-5	Water	6/21/01	1021														X			X		
385-S04-066	S04-DGS-DP18	S04-DGS-DP18-SO-3	Soil	6/19/01	1400											X			X			X		

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-067	S04-DGS-DP18	S04-DGS-DP18-SO-5	Soil			No Recovery										X[2]			X			X		
385-S04-068	S04-DGS-DP18	S04-DGS-DP18-GW-5	Water	6/19/01	1443												X[2]		X			X		
385-S04-068A	S04-DGS-DP18	S04-DGS-DP18-GW-5	Water	6/21/01	906												X[2]		X			X		
385-S04-069	S04-DGS-DP19	S04-DGS-DP19-SO-3	Soil	6/19/01	1640											X[2]			X			X		
385-S04-070	S04-DGS-DP19	S04-DGS-DP19-SO-5	Soil	6/19/01	1650											X[2]			X			X		
385-S04-071	S04-DGS-DP19	S04-DGS-DP19-GW-5	Water	6/19/01	1717												X[2]		X			X		
385-S04-071A	S04-DGS-DP19	S04-DGS-DP19-GW-5	Water	6/21/01	1430												X[2]		X			X		
385-S04-072	S04-DGS-DP20	S04-DGS-DP20-SO-3	Soil	6/19/01	1514											X[2]			X			X		
385-S04-073	S04-DGS-DP20	S04-DGS-DP20-SO-5	Soil	6/19/01	1516											X[2]			X			X		
385-S04-074	S04-DGS-DP20	S04-DGS-DP20-GW-5	Water	6/19/01	1616												X[2]		X			X		
385-S04-074A	S04-DGS-DP20	S04-DGS-DP20-GW-5	Water	6/21/01	1156												X[2]		X			X		
385-S04-075	S04-DGS-DP21	S04-DGS-DP21-GW-7	Water	7/9/01	1610												X[2]		X			X		
385-S04-076	S04-DGS-DP21	S04-DGS-DP21-GW-12	Water	7/9/01	1720												X[2]		X			X		
385-S04-076A	S04-DGS-DP21	S04-DGS-DP21-GW-12	Water	7/10/01	830														X			X		
385-S04-177	S04-DGS-DP24	S04-DGS-DP24-GW-7	Water	8/10/01	830	X																		
385-S04-178	S04-DGS-DP24	S04-DGS-DP24-GW-14	Water	8/10/01	925	X																		
385-S04-179	S04-DGS-DP24	S04-DGS-DP24-GW-20	Water	8/10/01	955	X																		
385-S04-180	S04-DGS-DP24	S04-DGS-DP24-GW-28	Water	8/10/01	1120	X																		
385-S04-207	S04-DGS-DP24	S04-DGS-DP24-GW-40	Water	8/20/01	920	X																		
385-S04-208	S04-DGS-DP24	S04-DGS-SP24-GW-50	Water	8/20/01	1020	X																		
385-S04-193	S04-DGS-DP25	S04-DGS-DP25-GW-7	Water	8/14/01	845	X																		
385-S04-194	S04-DGS-DP25	S04-DGS-DP25-GW-15	Water	8/14/01	935	X																		
385-S04-195	S04-DGS-DP25	S04-DGS-DP25-GW-25	Water	8/14/01	1025	X																		
385-S04-196	S04-DGS-DP25	S04-DGS-DP25-GW-35	Water	8/14/01	1200	X																		
385-S04-249	S04-DGS-DP25	S04-DGS-DP25-GW-48	Water	9/701	915	X																		
385-S04-250	S04-DGS-DP25	S04-DGS-DP25-GW-60	Water	9/701	1030	X																		
385-S04-197	S04-DGS-DP26	S04-DGS-DP26-GW-7	Water	8/14/01	1320	X																		
385-S04-198	S04-DGS-DP26	S04-DGS-DP26-GW-10	Water	8/14/01	1410	X																		
385-S04-198A	S04-DGS-DP26	S04-DGS-DP26-GW-10	Water	8/14/01	1410		X																	
385-S04-199	S04-DGS-DP26	S04-DGS-DP26-GW-20	Water	8/14/01	1450	X																		
385-S04-200	S04-DGS-DP26	S04-DGS-DP26-GW-30	Water	8/14/01	1525	X																		
385-S04-201	S04-DGS-DP26	S04-DGS-DP26-GW-40	Water	8/15/01	820	X																		
385-S04-202	S04-DGS-DP26	S04-DGS-DP26-GW-50	Water	8/15/01	915	X																		
385-S04-187	S04-DGS-DP27	S04-DGS-DP27-GW-7	Water	8/13/01	1430	X																		
385-S04-188	S04-DGS-DP27	S04-DGS-DP27-GW-10	Water	8/13/01	1500	X																		
385-S04-189	S04-DGS-DP27	S04-DGS-DP27-GW-20	Water	8/13/01	1550	X																		
385-S04-190	S04-DGS-DP27	S04-DGS-DP27-GW-30	Water	8/14/01	850	X																		
385-S04-191	S04-DGS-DP27	S04-DGS-DP27-GW-38	Water	8/14/01	1010	X																		
385-S04-192	S04-DGS-DP27	S04-DGS-DP27-GW-50	Water	8/14/01	1140	X																		
385-S04-181	S04-DGS-DP28	S04-DGS-DP28-GW-7	Water	8/13/01	920	X																		
385-S04-182	S04-DGS-DP28	S04-DGS-DP28-GW-10	Water	8/13/01	1000	X																		
385-S04-183	S04-DGS-DP28	S04-DGS-DP28-GW-20	Water	8/13/01	1035	X																		
385-S04-184	S04-DGS-DP28	S04-DGS-DP28-GW-30	Water	8/13/01	1105	X																		

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-185	S04-DGS-DP28	S04-DGS-DP28-GW-40	Water	8/13/01	1200	X																		
385-S04-186	S04-DGS-DP28	S04-DGS-DP28-GW-50	Water	8/13/01	1340	X																		
385-S04-186A	S04-DGS-DP28	S04-DGS-DP28-GW-50	Water	8/13/01	1340		X																	
385-S04-203	S04-DGS-DP29	S04-DGS-DP29-GW-15	Water	8/15/01	1410	X		X		X														
385-S04-203A	S04-DGS-DP29	S04-DGS-DP29-GW-15	Water	8/15/01	1410		X		X		X													
385-S04-204	S04-DGS-DP29	S04-DGS-DP29-GW-25	Water	8/15/01	1600	X		X		X														
385-S04-205	S04-DGS-DP29	S04-DGS-DP29-GW-35	Water	8/16/01	830	X		X		X														
385-S04-206	S04-DGS-DP29	S04-DGS-DP29-GW-45	Water	8/16/01	925	X		X		X														
385-S04-261	S04-DGS-DP29	S04-DGS-DP29-GW-8	Water	9/17/01	1545		X		X															
385-S04-212	S04-DGS-DP30	S04-DGS-DP30-GW-14	Water	8/20/01	1200	X																		
385-S04-213	S04-DGS-DP30	S04-DGS-DP30-GW-20	Water	8/20/01	1320	X																		
385-S04-214	S04-DGS-DP30	S04-DGS-DP30-GW-35	Water	8/20/01	1410	X																		
385-S04-215	S04-DGS-DP30	S04-DGS-DP30-GW-45	Water	8/20/01	1455	X																		
385-S04-216	S04-DGS-DP30	S04-DGS-DP30-GW-55	Water	8/20/01	1555	X																		
385-S04-217	S04-DGS-DP31	S04-DGS-DP31-GW-35	Water	8/21/01	1115	X																		
385-S04-232	S04-DGS-DP31	S04-DGS-DP31-GW-2	Water	8/21/01	1000	X				Same Lab ID Repeated														
385-S04-233	S04-DGS-DP31	S04-DGS-DP31-GW-15	Water	8/21/01	1020	X				Same Lab ID Repeated														
385-S04-234	S04-DGS-DP31	S04-DGS-DP31-GW-25	Water	8/21/01	1035	X				Same Lab ID Repeated														
385-S04-244	S04-DGS-DP31	S04-DGS-DP31-GW-49	Water	8/31/01	1245	X																		
385-S04-247	S04-DGS-DP31	S04-DGS-DP31-GW-60	Water	9/6/01	1350	X																		
385-S04-222	S04-DGS-DP32	S04-DGS-DP32-GW-6	Water	8/21/01	900	X																		
385-S04-223	S04-DGS-DP32	S04-DGS-DP32-GW-10	Water	8/21/01	930	X																		
385-S04-224	S04-DGS-DP32	S04-DGS-DP32-GW-20	Water	8/21/01	1000	X																		
385-S04-225	S04-DGS-DP33	S04-DGS-DP33-GW-5	Water	8/21/01	1045	X																		
385-S04-226	S04-DGS-DP33	S04-DGS-DP33-GW-10	Water	8/21/01	1115	X																		
385-S04-226A	S04-DGS-DP33	S04-DGS-DP33-GW-10	Water	8/21/01	1115		X																	
385-S04-227	S04-DGS-DP33	S04-DGS-DP33-GW-20	Water	8/21/01	1145	X																		
385-S04-228	S04-DGS-DP33	S04-DGS-DP33-GW-30	Water	8/21/01	1315	X																		
385-S04-218	S04-DGS-DP34	S04-DGS-DG34-GW-6	Water	8/21/01	1300	X																		
385-S04-219	S04-DGS-DP34	S04-DGS-DG34-GW-12	Water	8/21/01	1400	X																		
385-S04-220	S04-DGS-DP34	S04-DGS-DG34-GW-20	Water	8/21/01	1435	X																		
385-S04-221	S04-DGS-DP34	S04-DGS-DG34-GW-30	Water	8/21/01	1500	X																		
385-S04-229	S04-DGS-DP35	S04-DGS-DP35-GW-15	Water	8/22/01	1000	X		X																
385-S04-230	S04-DGS-DP35	S04-DGS-DP35-GW-25	Water	8/22/01	1100	X		X																
385-S04-231	S04-DGS-DP35	S04-DGS-DP35-GW-8	Water	8/23/01	745	X		X																
385-S04-232	S04-DGS-DP36	S04-DGS-DP36-GW-20	Water	8/28/01	1545	X				Same Lab ID Repeated														
385-S04-233	S04-DGS-DP36	S04-DGS-DP36-GW-35	Water	8/28/01	1640	X				Same Lab ID Repeated														
385-S04-251	S04-DGS-DP36	S04-DGS-DP36-GW-48	Water	9/701	1325	X																		
385-S04-252	S04-DGS-DP36	S04-DGS-DP36-GW-60	Water	9/701	1450	X																		
385-S04-263	S04-DGS-DP36	S04-DGS-DP36-GW-75	Water	9/20/01	1455		X																	
385-S04-264	S04-DGS-DP36	S04-DGS-DP36-GW-12	Water	9/26/01	840		X																	
385-S04-237	S04-DGS-DP37	S04-DGS-DP37-GW-6	Water	8/29/01	1115	X																		
385-S04-238	S04-DGS-DP37	S04-DGS-DP37-GW-10	Water	8/29/01	1135	X																		
385-S04-234	S04-DGS-DP38	S04-DGS-DP38-GW-5	Water	8/29/01	915	X				Same Lab ID Repeated														
385-S04-235	S04-DGS-DP38	S04-DGS-DP38-GW-10	Water	8/29/01	955	X																		
385-S04-235A	S04-DGS-DP38	S04-DGS-DP38-GW-10	Water	8/29/01	955		X																	

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-236	S04-DGS-DP38	S04-DGS-DP38-GW-20	Water	8/29/01	1040	X																		
385-S04-239	S04-DGS-DP39	S04-DGS-DP39-GW-6	Water	8/29/01	1305	X																		
385-S04-241	S04-DGS-DP40	S04-DGS-DP40-GW-29	Water	8/31/01	910	X																		
385-S04-242	S04-DGS-DP40	S04-DGS-DP40-GW-39	Water	8/31/01	1000	X																		
385-S04-243	S04-DGS-DP40	S04-DGS-DP40-GW-49	Water	8/31/01	1055	X																		
385-S04-248	S04-DGS-DP40	S04-DGS-DP40-GW-60	Water	9/6/01	1540	X																		
385-S04-256	S04-DGS-DP41	S04-DGS-DP41-GW-20	Water	9/17/01	1320		X																	
385-S04-257	S04-DGS-DP41	S04-DGS-DP41-GW-35	Water	9/17/01	935		X																	
385-S04-258	S04-DGS-DP41	S04-DGS-DP41-GW-48	Water	9/17/01	1100		X																	
385-S04-259	S04-DGS-DP41	S04-DGS-DP41-GW-60	Water	9/17/01	1200		X																	
385-S04-265	S04-DGS-DP41	S04-DGS-DP41-GW-12	Water	9/26/01	930		X																	
385-S04-253	S04-DGS-DP42	S04-DGS-DP42-GW-5	Water	9/11/01	845		X																	
385-S04-254	S04-DGS-DP42	S04-DGS-DP42-GW-10	Water	9/11/01	930		X																	
385-S04-255	S04-DGS-DP43	S04-DGS-DP43-GW-6	Water	9/11/01	1025		X																	
385-S04-260	S04-DGS-DP44	S04-DGS-DP44-GW-25	Water	9/17/01	1445		X		X															
385-S04-266	S04-DGS-DP45	S04-DGS-DP45-GW-12	Water	9/26/01	1030		X																	
385-S04-267	S04-DGS-DP45	S04-DGS-DP45-GW-20	Water	9/26/01	1115		X																	
385-S04-268	S04-DGS-DP45	S04-DGS-DP45-GW-35	Water	9/26/01	1200		X																	
385-S04-269	S04-DGS-DP45	S04-DGS-DP45-GW-48	Water	10/5/01	950		X																	
385-S04-270	S04-DGS-DP45	S04-DGS-DP45-GW-60	Water	10/5/01	1100		X																	
385-S04-271	S04-DGS-DP46	S04-DGS-DP46-GW-20	Water	10/5/01	1300		X																	
385-S04-272	S04-DGS-DP46	S04-DGS-DP46-GW-35	Water	10/5/01	1335		X																	
385-S04-273	S04-DGS-DP46	S04-DGS-DP46-GW-48	Water	10/5/01	1430		X																	
385-S04-274	S04-DGS-DP46	S04-DGS-DP46-GW-60	Water	10/5/01	1530		X																	
385-S04-291	S04-DGS-DP46	S04-DGS-DP46-GW-12	Water	10/17/01	830		X																	
385-S04-275	S04-DGS-DP47	S04-DGS-DP47-GW-20	Water	10/8/01	840		X																	
385-S04-276	S04-DGS-DP47	S04-DGS-DP47-GW-35	Water	10/8/01	930		X																	
385-S04-277	S04-DGS-DP47	S04-DGS-DP47-GW-48	Water	10/8/01	1015		X																	
385-S04-278	S04-DGS-DP47	S04-DGS-DP47-GW-60	Water	10/8/01	1135		X																	
385-S04-279	S04-DGS-DP48	S04-DGS-DP48-GW-20	Water	10/8/01	1350		X																X	
385-S04-280	S04-DGS-DP48	S04-DGS-DP48-GW-35	Water	10/8/01	1430		X																X	
385-S04-281	S04-DGS-DP48	S04-DGS-DP48-GW-48	Water	10/8/01	1515		X																X	
385-S04-282	S04-DGS-DP48	S04-DGS-DP48-GW-60	Water	10/8/01	1615		X																X	
385-S04-286	S04-DGS-DP49	S04-DGS-DP49-GW-12	Water	10/16/01	1305		X																	
385-S04-287	S04-DGS-DP49	S04-DGS-DP49-GW-20	Water	10/16/01	1325		X																	
385-S04-288	S04-DGS-DP49	S04-DGS-DP49-GW-35	Water	10/16/01	1405		X																	
385-S04-289	S04-DGS-DP49	S04-DGS-DP49-GW-48	Water	10/16/01	1500		X																	
385-S04-290	S04-DGS-DP49	S04-DGS-DP49-GW-60	Water	10/16/01	1605		X																	
385-S04-283	S04-DGS-DP50	S04-DGS-DP50-GW-20	Water	10/16/01	915		X																	
385-S04-284	S04-DGS-DP50	S04-DGS-DP50-GW-35	Water	10/16/01	1000		X																	
385-S04-285	S04-DGS-DP50	S04-DGS-DP50-GW-48	Water	10/16/01	1105		X																	
385-S04-292	S04-DGS-DP51	S04-DGS-DP51-GW-12	Water	11/5/01	1125		X																	
385-S04-293	S04-DGS-DP51	S04-DGS-DP51-GW-20	Water	11/5/01	1200		X																	
385-S04-294	S04-DGS-DP51	S04-DGS-DP51-GW-30	Water	11/5/01	1250		X																	
(Monitoring Wells)																								
385-S04-077	MW360-1	S04-DGS-MW360-1-GW-5	Water	7/9/01	1400	X																	X	

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-078	MW360-1	S04-DGS-MW360-1-GW-7	Water	7/9/01	1408	X																	X	
385-S04-079	MW360-1	S04-DGS-MW360-1-GW-9	Water	7/9/01	1410	X																		
385-S04-080	MW360-1	S04-DGS-MW360-1-GW-11	Water	7/9/01	1412	X																	X	
385-S04-081	MW360-1	S04-DGS-MW360-1-GW-13	Water	7/9/01	1414	X																	X	
385-S04-082	MW360-1	S04-DGS-MW360-1-GW-15	Water			X	Not Needed; screened to 15 ft bgs																	
385-S04-083	MW360-2	S04-DGS-MW360-2-GW-5	Water	7/10/01	1115	X	X	A confirmation sample was also sent to the fixed lab															X	
385-S04-084	MW360-2	S04-DGS-MW360-2-GW-7	Water	7/10/01	1117	X																	X	
385-S04-085	MW360-2	S04-DGS-MW360-2-GW-9	Water	7/10/01	1119	X																	X	
385-S04-086	MW360-2	S04-DGS-MW360-2-GW-11	Water	7/10/01	1121	X																	X	
385-S04-087	MW360-2	S04-DGS-MW360-2-GW-5	Water	7/10/01	1123	X	X	A confirmation sample was also sent to the fixed lab															X	
385-S04-088	MW360-3	S04-DGS-MW360-3-GW-5	Water	7/10/01	1150	X																		
385-S04-089	MW360-3	S04-DGS-MW360-3-GW-7	Water	7/10/01	1152	X																	X	
385-S04-090	MW360-3	S04-DGS-MW360-3-GW-9	Water	7/10/01	1154	X																	X	
385-S04-091	MW360-3	S04-DGS-MW360-3-GW-11	Water	7/10/01	1156	X																	X	
385-S04-092	MW360-3	S04-DGS-MW360-3-GW-13	Water	7/10/01	95	X																	X	
385-S04-093	MW360-3	S04-DGS-MW360-3-GW-13	Water	Not Needed		X	Not Needed																X	
385-S04-094	MW360-3	S04-DGS-MW360-3-GW-15	Water	Not Needed		X	Not Needed; total depth of well is only 15 ft bgs																	
385-S04-095	MW360-4	S04-DGS-MW360-4-GW-5	Water	6/27/01	1540	X																	X	
385-S04-096	MW360-4	S04-DGS-MW360-4-GW-7	Water	6/27/01	1545	X																	X	
385-S04-097	MW360-4	S04-DGS-MW360-4-GW-9	Water	6/27/01	1550	X																	X	
385-S04-098	MW360-4	S04-DGS-MW360-4-GW-11	Water	6/27/01	1555	X																	X	
385-S04-099	MW360-4	S04-DGS-MW360-4-GW-13	Water	6/27/01	1600	X																	X	
385-S04-100	MW360-4	S04-DGS-MW360-4-GW-15	Water			X	Not Needed; total depth of well is only 15 ft bgs																X	
385-S04-101	M04-05	S04-DGS-M04-05-GW-4	Water	7/10/01	1430	X																	X	
385-S04-102	MO4-05	S04-DGS-MO4-05-GW-6	Water	7/10/01	1432	X																	X	
385-S04-103	MO4-05	S04-DGS-MO4-05-GW-8	Water	7/10/01	1434	X																	X	
385-S04-104	MO4-05	S04-DGS-MO4-05-GW-10	Water	7/10/01	1436	X																	X	
385-S04-105	MO4-05	S04-DGS-MO4-05-GW-12	Water			X	Not Needed; total depth of well is only 12 ft bgs																X	
385-S04-106	DO4-02	S04-DGS-DO4-02-GW-87	Water	6/27/01	1610	X																	X	
385-S04-107	DO4-02	S04-DGS-DO4-02-GW-89	Water	6/27/01	1615	X																	X	
385-S04-108	DO4-02	S04-DGS-DO4-02-GW-91	Water	6/27/01	1620	X																	X	
385-S04-109	DO4-02	S04-DGS-DO4-02-GW-93	Water	6/27/01	1625	X																	X	
385-S04-110	DO4-02	S04-DGS-DO4-02-GW-95	Water			X	Not Needed; total depth of well is only 95 ft bgs																X	
385-S04-111	DO4-03	S04-DGS-DO4-03-GW-84	Water	7/9/01	1416	X																	X	
385-S04-112	DO4-03	S04-DGS-DO4-03-GW-86	Water	7/9/01	1418	X																	X	
385-S04-113	DO4-03	S04-DGS-DO4-03-GW-88	Water	7/9/01	1420	X																	X	
385-S04-114	DO4-03	S04-DGS-DO4-03-GW-90	Water	7/9/01	1422	X																	X	
385-S04-115	DO4-03	S04-DGS-DO4-03-GW-92	Water	7/9/01	1425	X																	X	
385-S04-116	DO4-03	S04-DGS-DO4-03-GW-94	Water			X	Not Needed; total depth of well is only 94 ft bgs																X	
Plume Delineation (Monitoring Wells)																								
385-S04-117	MBG-3	S04-DGS-MBG-3-GW	Water			X																	X	
385-S04-123	MW360-01	S04-MW360-01-GW	Water	7/10/01	1100		X		X		X	X*											X	
385-S04-124	MW360-02	S04-MW360-02-GW	Water	7/16/01	850		X		X		X	X*											X	
385-S04-125	MW360-03	S04-MW360-03-GW	Water	7/16/01	1030		X		X		X	X*											X	
385-S04-126	MW360-04	S04-MW360-04-GW	Water	6/29/01	1030		X		X		X	X*											X	
385-S04-127	M04-05	S04-M04-05-GW	Water	7/16/01	940		X		X		X	X*											X	

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-128	M04-06	S04-M04-06-GW	Water	7/2/01	1200		X		X		X	X*											X	
385-S04-129	M04-07	S04-M04-07-GW	Water	7/2/01	1000		X		X		X	X*											X	
385-S04-129A	M04-07	S04-M04-07-GW	Water	7/25/01	1345		X		X		X	X*	Resampled for TPH-e and SVOCs										X	
385-S04-130	D04-01	S04-D04-01-GW	Water	7/3/01	900		X		X		X	X*											X	
385-S04-131	D04-02	S04-D04-02-GW	Water	7/3/01	1100		X		X		X	X*											X	
385-S04-132	D04-03	S04-D04-03-GW	Water	7/10/01	1000		X		X		X	X*											X	
385-S04-133	372-MW1	S04-372-MW1-GW	Water	6/29/01	1210		X		X		X	X*											X	
385-S04-134	372-MW3	S04-372-MW3-GW	Water	6/29/01	1435		X		X		X	X*											X	
385-S04-135	MBG-3	S04-MBG-3-GW	Water	7/10/01	920		X		X		X	X*											X	
385-S04-173	MW10-Battelle	S04-DGS-MW10-Battelle-GW	Water	7/10/01	1410		X		X		X	X*											X	
385-S04-174	MW5-Battelle	S04-DGS-MW5-Battelle-GW	Water	7/16/01	1220		X		X		X	X*											X	
385-S04-175	MW1-Battelle	S04-DGS-MW1-Battelle-GW	Water	7/16/01	1330		X		X		X	X*											X	
385-S04-176	SW1-Battelle	S04-DGS-SW1-Battelle-GW	Water	7/16/01	1420		X		X		X	X*											X	
IR Site 11																								
Plume Delineation (Hand Auger)																								
385-S11-001	S11-DGS-HA01	S11-DGS-HA01-GW-9	Water	7/25/01	845	X		X		X														
385-S11-001A	S11-DGS-HA01	S11-DGS-HA01-GW-9	Water	7/25/01	845		X		X		X													
385-S11-002	S11-DGS-HA02	S11-DGS-HA02-GW-8	Water	7/26/01	1000	X		X		X														
385-S11-003	S11-DGS-HA03	S11-DGS-HA03-GW-8	Water	7/26/01	900	X		X		X														
Plume Delineation (Direct Push)																								
385-S11-004	S11-DGS-DP01	S11-DGS-DP01-SO-5	Soil	8/1/01	1100	X		X		X														
385-S11-005	S11-DGS-DP01	S11-DGS-DP01-GW-5	Water	8/1/01	1100	X		X		X														
Plume Delineation (Monitoring Wells)																								
385-S11-006	M11-01	S11-M11-01-GW	Water	7/2/01	1430		X		X		X	X*											X	
385-S11-007	M11-02	S11-M11-02-GW	Water	7/2/01	1545		X		X		X	X*											X	
385-S11-008	M11-03	S11-M11-03-GW	Water	7/3/01	1210		X		X		X	X*											X	
385-S11-009	M11-04	S11-M11-04-GW	Water	7/3/01	1330		X		X		X	X*											X	
385-S11-010	M11-05	S11-M11-05-GW	Water	7/3/01	1025		X		X		X	X*											X	
385-S11-011	M11-06	S11-M11-06-GW	Water	7/3/01	900		X		X		X	X*											X	
385-S11-012	D11-01	S11-D11-01-GW	Water	7/3/01	1300		X		X		X	X*											X	
385-S11-013	37-MJ-MW3	S11-37-MJ-MW3-GW	Water				X		X		X	X*	According to Neal H. well has been destroy										X	
IR Site 21																								
Plume Delineation (Direct Push)																								
385-S21-001	S21-DGS-DP01	S21-DGS-DP01-SO-15	Soil			X	Not Needed																	
385-S21-002	S21-DGS-DP01	S21-DGS-DP01-GW-15	Water	6/29/01	1315	X																		
385-S21-003	S21-DGS-DP02	S21-DGS-DP02-GW-15	Water	7/18/01	1430	X																		
385-S21-003A	S21-DGS-DP02	S21-DGS-DP02-GW-15	Water	7/18/01	1430		X																	
385-S21-004	S21-DGS-DP02	S21-DGS-DP02-GW-20	Water	7/18/01	1500	X																		
385-S21-005	S21-DGS-DP02	S21-DGS-DP02-GW-30	Water	7/18/01	1530	X																		
385-S21-006	S21-DGS-DP02	S21-DGS-DP02-GW-40	Water	7/18/01	1550	X																		
385-S21-007	S21-DGS-DP02	S21-DGS-DP02-GW-50	Water	7/18/01	1640	X																		
385-S21-008	S21-DGS-DP03	S21-DGS-DP03-GW-15	Water	7/31/01	1400	X																		
385-S21-009	S21-DGS-DP03	S21-DGS-DP03-GW-20	Water	7/31/01	1450	X																		
385-S21-010	S21-DGS-DP03	S21-DGS-DP03-GW-30	Water	7/31/01	1530	X																		
385-S21-011	S21-DGS-DP03	S21-DGS-DP03-GW-40	Water	8/1/01	800	X																		
385-S21-012	S21-DGS-DP04	S21-DGS-DP04-GW-15	Water	7/20/01	1500	X																		

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S21-012A	S21-DGS-DP04	S21-DGS-DP04-GW-15	Water	7/20/01	1500		X																	
385-S21-013	S21-DGS-DP04	S21-DGS-DP04-GW-20	Water	7/20/01	1525	X																		
385-S21-014	S21-DGS-DP04	S21-DGS-DP04-GW-30	Water	7/20/01	1660	X																		
385-S21-015	S21-DGS-DP04	S21-DGS-DP04-GW-40	Water	7/20/01	1820	X																		
385-S21-016	S21-DGS-DP05	S21-DGS-DP05-GW-7	Water	7/31/01	848	X																		
385-S21-017	S21-DGS-DP05	S21-DGS-DP05-GW-12	Water	7/31/01	950	X																		
385-S21-017A	S21-DGS-DP05	S21-DGS-DP05-GW-12	Water	7/31/01	950		X																	
385-S21-018	S21-DGS-DP06	S21-DGS-DP06-GW-5	Water	7/31/01	1038	X																		
385-S21-019	S21-DGS-DP06	S21-DGS-DP06-GW-10	Water	7/31/01	1055	X																		
385-S21-020	S21-DGS-DP07	S21-DGS-DP07-GW-5	Water	7/31/01	1200	X		X		X														
385-S21-021	S21-DGS-DP08	S21-DGS-DP08-SO-9	Soil	8/1/01	900											X			X					
385-S21-046	S21-DGS-DP06	S21-DGS-DP06-GW-15	Water	8/9/01	840	X	Same Lab ID Repeated (Location S21-DGS-MH-6H)																	
385-S21-047	S21-DGS-DP06	S21-DGS-DP06-GW-20	Water	8/9/01	935	X																		
385-S21-048	S21-DGS-DP12	S21-DSG-DP12-GW-9	Water	8/9/01	1305	X																		
385-S21-049	S21-DGS-DP12	S21-DGS-DP12-GW-15	Water	8/9/01	1325	X																		
385-S21-050	S21-DGS-DP12	S21-DGS-DP12-GW-25	Water	8/9/01	1410	X																		
385-S21-051	S21-DGS-DP13	S21-DGS-DP13-GW-9	Water	8/17/01	1020	X																		
385-S21-052	S21-DGS-DP13	S21-DGS-DP13-GW-16	Water	8/17/01	1050	X																		
385-S21-053	S21-DGS-DP14	S21-DGS-DP14-GW-9	Water	8/20/01	1320	X																		
385-S21-054	S21-DGS-DP14	S21-DGS-DP14-GW-17	Water	8/20/01	1345	X																		
385-S21-054A	S21-DGS-DP14	S21-DGS-DP14-GW-17	Water	8/20/01	1345		X																	
385-S21-055	S21-DGS-DP14	S21-DGS-DP14-GW-25	Water	8/20/01	1445	X																		
385-S21-056	S21-DGS-DP11	S21-DGS-DP11-GW-15	Water	8/16/01	1040	X		X																
385-S21-057	S21-DGS-DP11	S21-DGS-DP11-GW-20	Water	8/16/01	1110	X		X																
385-S21-058	S21-DGS-DP11	S21-DGS-DP11-GW-30	Water	8/16/01	1145	X		X																
385-S21-059	S21-DGS-DP11	S21-DGS-DP11-GW-40	Water	8/16/01	1400	X		X																
385-S21-060	S21-DGS-DP11	S21-DGS-DP11-GW-50	Water	8/16/01	1440	X		X																
385-S21-063	S21-DGS-DP15	S21-DGS-DP15-GW-15	Water	8/22/01	1440	X		X																
385-S21-064	S21-DGS-DP16	S21-DGS-DP16-GW-8	Water	8/24/01	930	X		X																
385-S21-065	S21-DGS-DP16	S21-DGS-DP16-GW-15	Water	8/24/01	1000	X		X																
385-S21-066	S21-DGS-DP16	S21-DGS-DP16-GW-20	Water	8/24/01	1030	X		X																
385-S21-067	S21-DGS-DP17	S21-DGS-DP17-GW-9	Water	9/4/01	845	X																		
385-S21-068	S21-DGS-DP17	S21-DGS-DP17-GW-14	Water	9/4/01	915	X																		
385-S21-073	S21-DGS-DP19	S21-DGS-DP19-GW-14	Water	9/12/01	845		X																	
385-S21-074	S21-DGS-DP18	S21-DGS-DP18-GW-8	Water	9/12/01	1000		X		X															
385-S21-075	S21-DGS-DP18	S21-DGS-DP18-GW-15	Water	9/12/01	1020		X		X															
385-S21-076	S21-DGS-DP18	S21-DGS-DP18-GW-20	Water	9/12/01	1045		X		X															
385-S21-077	S21-DGS-DP03	S21-DGS-DP03-GW-8	Water	9/12/01	1130		X		X															
385-S21-078	S21-DGS-DP03	S21-DGS-DP03-GW-15	Water	9/12/01	1210		X		X															
385-S21-079	S21-DGS-DP21	S21-DGS-DP21-GW-7	Water	9/26/01	1430		X		X															
385-S21-080	S21-DGS-DP20	S21-DGS-DP20-GW-7	Water	9/26/01	1515		X		X															
385-S21-081	S21-DGS-DP19	S21-DGS-DP19-GW-20	Water	11/5/01	915		X																	
385-S21-082	S21-DGS-DP19	S21-DGS-DP19-GW-30	Water	11/5/01	1030		X																	
Plume Delineation (Monitoring Wells)																								
385-S21-022	WA-8	S21-WA-8-GW	Water	7/9/01	1230		X		X		X	X*											X	
385-S21-023	M07B-01	S21-M07B-01-GW	Water	6/26/01	900		X		X		X	X*											X	
385-S21-024	398-MW1	S21-398-MW1-GW	Water	6/26/01	1230		X		X		X	X*											X	

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S21-025	398-MW2	S21-398-MW2-GW	Water	6/26/01	1110		X		X		X	X*											X	
385-S21-026	398-MW3	S21-398-MW3-GW	Water	6/26/01	1015		X		X		X	X*											X	
385-S21-027	398-MW4	S21-398-MW4-GW	Water	6/27/01	845		X		X		X	X*											X	
OU-2B Storm Sewer Investigation																								
Storm Sewer Bedding Investigation																								
385-S04-136	S04-DGS-DP22	S04-DGS-DP22-SO-8	Soil	8/15/01	1000																			X[1]
385-S04-137	S04-DGS-VE01	S04-DGS- VE01-SO-8	Soil	8/6/01	1100																			X[1]
385-S04-138	S04-DGS-VE01	S04-DGS- VE01-GW-8	Water	8/6/01	1100	X		X		X														
385-S04-139	S04-DGS-DP23	S04-DGS-DP23-SO-4.5	Soil	8/16/01	930																			X[1]
385-S04-140	S04-DGS-VE02	S04-DGS-VE02-SO-4.5	Soil	8/7/01	810																			X[1]
385-S04-141	S04-DGS-VE02	S04-DGS-VE02-GW-5	Water	8/7/01	1345	X		X		X														
385-S04-235	S04-DGS-VE03	S04-DGS-VE03-SO-10	Soil	8/21/01	915																			X[1]
385-S04-236	S04-DGS-VE03	S04-DGS-VE03-GW-7	Water	8/21/01	920	X																		
385-S04-305	S04-DGS-VE04	S04-DGS-VE04-SO-3	Soil	4/26/02	1050											X[2]			X					
385-S04-306	S04-DGS-VE04	S04-DGS-VE04-SO-5	Soil	4/26/02	1105											X[2]			X					
385-S04-307	S04-DGS-VE04	S04-DGS-VE04-GW-7	Water	4/26/02	1125											X[2]			X					
385-S04-308	S04-DGS-VE05	S04-DGS-VE05-SO-3	Soil	4/26/02	1205											X[2]			X					
385-S04-309	S04-DGS-VE05	S04-DGS-VE05-SO-5	Soil	4/26/02	1210											X[2]			X					
385-S04-310	S04-DGS-VE05	S04-DGS-VE05-GW-7	Water	4/26/02	1345											X[2]			X					
385-S04-311	S04-DGS-VE06	S04-DGS-VE06-SO-3	Soil	4/26/02	1430											X[2]			X					
385-S11-014	S11-DGS-DP02	S11-DGS-DP02-SO-5	Soil																					X[1]
385-S11-015	S11-DGS-VE01	S11-DGS-VE01-SO-5	Soil																					X[1]
385-S11-016	S11-DGS-VE01	S11-DGS-VE01-GW-5	Water			X		X		X														
385-S21-028	S21-DGS-DP09	S21-DGS-DP09-SO-7.5	Soil	8/15/01	1125																			X[1]
385-S21-029	S21-DGS-VE01	S21-DGS-VE01-SO-7.5	Soil	8/7/01	1000																			X[1]
385-S21-030	S21-DGS-VE01	S21-DGS-VE01-GW-8	Water	8/7/01	1010	X		X		X														
385-S21-030A	S21-DGS-VE01	S21-DGS-VE02-GW-8	Water	8/7/01	1010		X		X		X													
385-S21-031	S21-DGS-DP10	S21-DGS-DP10-SO-8	Soil	8/15/01	1300																			X[1]
385-S21-032	S21-DGS-VE02	S21-DGS-VE02-SO-8	Soil	8/7/01	1115																			X[1]
385-S21-033	S21-DGS-VE02	S21-DGS-VE02-GW-8.5	Water	8/7/01	1130	X		X		X														
385-S21-061	S21-DGS-VE03	S21-DGS-VE03-SO-6.5	Soil	8/21/01	1025																			X[1]
385-S21-062	S21-DGS-VE03	S21-DGS-VE03-SO-6.5	Water	8/21/01	1035	X		X		X														
385-S21-069	S21-DGS-VE04	S21-DGS-VE04-SO-5.5	Soil	9/6/01	1100		X		X		X													X[1]
385-S21-070	S21-DGS-VE04	S21-DGS-VE04-GW-5.9	Water	9/6/01	1200		X		X		X													
385-S21-071	S21-DGS-VE05	S21-DGS-VE05-SO-5.7	Soil	9/6/01	1330		X		X		X													X[1]
385-S21-072	S21-DGS-VE05	S21-DGS-VE05-GW-5.9	Water	9/6/01	1400		X		X		X													
Storm Sewer Infiltration Investigation																								
385-S11-017	S11-DGS-MH-IA	S11-DGS-MH-IA-GWI	Water				X		X		X	Not Needed												
385-S21-034	S21-DGS-MH-1-1H	S21-DGS-MH1-1H-GWI	Water	7/20/01	700		X		X		X													
385-S21-035	S21-DGS-OF-G	S21-DGS-OF-G-GWI	Water	7/20/01	654		X		X		X													

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SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S21-046	S21-DGS-MH-6H	S21-DGS-MH-6H-GWI	Water	7/23/01	1004		X		X		X	Same Lab ID Repeated (Location S21-DGS-DP06)												
OU-2B Soil Gas Investigation																								
385-S03-049	S03-DGS-SG01	S03-DGS-SG01-SO-1	Soil	7/5/01	829																			X[2]
385-S03-050	S03-DGS-SG02	S03-DGS-SG02-SO-1	Soil	7/5/01	906																			X[2]
385-S03-051	S03-DGS-SG03	S03-DGS-SG03-SG-1	Soil Gas	8/2/01	1205								X	X										
385-S03-052	S03-DGS-SG03	S03-DGS-SG03-SG-4	Soil Gas	8/2/01	1315								X	X										
385-S03-053	S03-DGS-SG03	S03-DGS-SG03-SG-7	Soil Gas	8/2/01	1415								X	X										
385-S03-054	S03-DGS-SG04	S03-DGS-SG04-SO-1	Soil	7/5/01	959																			X[2]
385-S03-055	S03-DGS-SG05	S03-DGS-SG05-SO-1	Soil	7/5/01	943																			X[2]
385-S03-056	S03-DGS-SG06	S03-DGS-SG06-SG-1	Soil Gas	8/3/01	1220								X	X										
385-S03-057	S03-DGS-SG06	S03-DGS-SG06-SG-4	Soil Gas	8/3/01	1317								X	X										
385-S03-058	S03-DGS-SG06	S03-DGS-SG06-SG-7	Soil Gas	8/3/01	1415								X	X										
385-S03-059	S03-DGS-SG07	S03-DGS-SG07-SO-1	Soil	7/3/01	1111																			X[2]
385-S03-060	S03-DGS-SG08	S03-DGS-SG08-SO-1	Soil	7/3/01	1058																			X[2]
385-S03-061	S03-DGS-SG09	S03-DGS-SG09-SG-1	Soil Gas	8/2/01	1552								X	X										
385-S03-062	S03-DGS-SG09	S03-DGS-SG09-SG-4	Soil Gas	8/2/01	1649								X	X										
385-S03-063	S03-DGS-SG09	S03-DGS-SG09-SG-7	Soil Gas	Not Needed									X											
385-S03-064	S03-DGS-SG10	S03-DGS-SG10-SO-1	Soil	7/3/01	1506																			X[2]
385-S03-065	S03-DGS-SG11	S03-DGS-SG11-SO-1	Soil	7/3/01	1516																			X[2]
385-S03-066	S03-DGS-SG12	S03-DGS-SG12-SG-1	Soil Gas	8/3/01	839								X	X										
385-S03-067	S03-DGS-SG12	S03-DGS-SG12-SG-4	Soil Gas	8/3/01	949								X	X										
385-S03-068	S03-DGS-SG12	S03-DGS-SG12-SG-7	Soil Gas	Not Needed									X											
385-S04-142	S04-DGS-SG01	S04-DGS-SG01-SO-1	Soil	7/5/01	1334																			X[2]
385-S04-143	S04-DGS-SG02	S04-DGS-SG02-SO-1	Soil	7/5/01	1324																			X[2]
385-S04-144	S04-DGS-SG03	S04-DGS-SG03-SG-1	Soil Gas	7/31/01	920								X	X										
385-S04-145	S04-DGS-SG03	S04-DGS-SG03-SG-4	Soil Gas	7/31/01	1023								X	X										
385-S04-146	S04-DGS-SG03	S04-DGS-SG03-SG-7	Soil Gas	Not Needed									X											
385-S04-147	S04-DGS-SG04	S04-DGS-SG04-SO-1	Soil	7/9/01	912																			X[2]
385-S04-148	S04-DGS-SG05	S04-DGS-SG05-SO-1	Soil	7/9/01	933																			X[2]
385-S04-149	S04-DGS-SG06	S04-DGS-SG06-SG-1	Soil Gas	7/31/01	1204								X	X										
385-S04-150	S04-DGS-SG06	S04-DGS-SG06-SG-4	Soil Gas	7/31/01	1304								X	X										
385-S04-151	S04-DGS-SG06	S04-DGS-SG06-SG-7	Soil Gas	Not Needed									X											
385-S04-152	S04-DGS-SG07	S04-DGS-SG07-SO-1	Soil	7/5/01	1418																			X[2]
385-S04-153	S04-DGS-SG08	S04-DGS-SG08-SO-1	Soil	7/5/01	1435																			X[2]
385-S04-154	S04-DGS-SG09	S04-DGS-SG09-SG-1	Soil Gas	7/31/01	1524								X	X										
385-S04-155	S04-DGS-SG09	S04-DGS- SG09-SG-4	Soil Gas	7/31/01	1629								X	X										
385-S04-156	S04-DGS-SG09	S04-DGS- SG09-SG-7	Soil Gas	Not Needed									X											
385-S04-157	S04-DGS-SG10	S04-DGS-SG10-SO-1	Soil	7/5/01	1526																			X[2]
385-S04-158	S04-DGS-SG11	S04-DGS-SG11-SO-1	Soil	7/5/01	1540																			X[2]
385-S04-159	S04-DGS-SG12	S04-DGS-SG12-SG-1	Soil Gas	8/1/01	903								X	X										
385-S04-160	S04-DGS-SG12	S04-DGS-SG12-SG-4	Soil Gas	8/1/01	1020								X	X										
385-S04-161	S04-DGS-SG12	S04-DGS-SG12-SG-7	Soil Gas	Not Needed									X											

TABLE E-6

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-B
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S04-162	S04-DGS-SG13	S04-DGS-SG13-SO-1	Soil	7/9/01	1403																			X[2]
385-S04-163	S04-DGS-SG14	S04-DGS-SG14-SO-1	Soil	7/9/01	1330																			X[2]
385-S04-164	S04-DGS-SG15	S04-DGS-SG15-SG-1	Soil Gas	8/1/01	1155								X	X										
385-S04-165	S04-DGS-SG15	S04-DGS-SG15-SG-4	Soil Gas	8/1/01	1310								X	X										
385-S04-166	S04-DGS-SG15	S04-DGS-SG15-SG-7	Soil Gas	8/1/01	1417								X	X										
385-S04-167	S04-DGS-SG16	S04-DGS-SG16-SO-1	Soil	7/9/01	1207																			X[2]
385-S04-168	S04-DGS-SG17	S04-DGS-SG17-SO-1	Soil	7/9/01	1134																			X[2]
385-S04-169	S04-DGS-SG18	S04-DGS-SG18-SG-1	Soil Gas	8/1/01	1545								X	X										
385-S04-170	S04-DGS-SG18	S04-DGS-SG18-SG-4	Soil Gas	8/2/01	820								X	X										
385-S04-172	S04-DGS-SG18	S04-DGS-SG18-SG-7	Soil Gas	8/2/01	930								X	X										
385-S21-036	S21-DGS-SG01	S21-DGS-SG01-SO-1	Soil	7/10/01	1012																			X[2]
385-S21-037	S21-DGS-SG02	S21-DGS-SG02-SO-1	Soil	7/10/01	1002																			X[2]
385-S21-038	S21-DGS-SG03	S21-DGS-SG03-SG-1	Soil Gas	7/30/01	1336								X	X										
385-S21-039	S21-DGS-SG03	S21-DGS-SG03-SG-4	Soil Gas	7/30/01	1443								X	X										
385-S21-040	S21-DGS-SG03	S21-DGS-SG03-SG-7	Soil Gas	Not Needed									X											
385-S21-041	S21-DGS-SG04	S21-DGS-SG04-SO-1	Soil	7/10/01	855																			X[2]
385-S21-042	S21-DGS-SG05	S21-DGS-SG05-SO-1	Soil	7/10/01	902																			X[2]
385-S21-043	S21-DGS-SG06	S21-DGS-SG06-SG-1	Soil Gas	7/30/01	1109								X	X										
385-S21-044	S21-DGS-SG06	S21-DGS-SG06-SG-4	Soil Gas	7/30/01	1210								X	X										
385-S21-045	S21-DGS-SG06	S21-DGS-SG06-SG-7	Soil Gas	Not Needed									X											

CB	Catch Basin	PCB	Polychlorinated Biphenyls.
DGS	Data Gap Sample	TO-14	VOCs in air
DP	Direct Push	TPPH	Total Purgeable Petroleum Hydrocarbons
GW	Groundwater Sample	TEPH	Total Extractable Petroleum Hydrocarbons
GWI	Groundwater Infiltration	Cr (VI)	Hexavalent Chromium
HA	Hand Auger		
MH	Manhole		
MW	Monitoring Well		
N/A	Not Applicable		
RNS	Ribbon NAPL Sample		
SG	Soil Gas		
SS	Surface Soil		
VE	Vacuum Extraction		
VOC	Volatile Organic Compounds		
SVOC	Semivolatile Organic Compounds		
CN-	Cyanide		

Field Parameters (X[1])
Temperature
Conductivity
Dissolved Oxygen
Redox Potential
Turbidity
pH

Field Parameters (X[2])
pH

Geotechnical Analysis (X[1])
Particle Size
Permeability
Soil Total Porosity
Soil Dry Bulk Density

Geotechnical Analysis (X[2])
Particle Size
Soil Texture
Volumetric Moisture
Soil Total Porosity
Soil Dry Bulk Density

Metals (X[1])
Lead - (inorganic)
Lead - (organic)

Metals (X[2])
Total Chromium
Total Cadmium

Metals (X[3])
Total Chromium

Metals (X[4])
Cadmium

Metals (X[5])
Lead - (inorgan

Notes:
Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.
Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.
* Groundwater samples from monitoring wells submitted for SVOC analysis will be extracted for full-scan GC/MS (8270C) and selected ion monitoring GC/MS (8270SIM). If results for benzo(a)pyrene (BaP) by full-scan GC/MS are reported as non-detect at the 10 ug/L detection limit, then the 8270SIM extract will be analyzed in an attempt to meet the residential PRG of 0.2 ug/L for BaP.

TA[illegible] E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
IR Site 5																								
NAPL Investigation																								
N/A	S05-DGS-DP01	S05-DGS-DP01-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP02	S05-DGS-DP02-RNS-15	N/A	Not Needed																				
N/A	S05-DGS-DP03	S05-DGS-DP03-RNS-15	N/A	Not Needed																				
N/A	S05-DGS-DP04	S05-DGS-DP04-RNS-15	N/A	Not Needed																				
N/A	S05-DGS-DP05	S05-DGS-DP05-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP06	S05-DGS-DP06-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP07	S05-DGS-DP07-RNS-17	N/A	Completed																				
N/A	S05-DGS-DP08	S05-DGS-DP08-RNS-17	N/A	Completed																				
N/A	S05-DGS-DP09	S05-DGS-DP09-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP10	S05-DGS-DP10-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP11	S05-DGS-DP11-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP12	S05-DGS-DP12-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP13	S05-DGS-DP13-RNS-15	N/A	Completed																				
N/A	S05-DGS-DP14	S05-DGS-DP14-RNS-15	N/A	Completed																				
N/A	S05-DGS-DP15	S05-DGS-DP15-RNS-18	N/A	Completed																				
N/A	S05-DGS-DP16	S05-DGS-DP16-RNS-17	N/A	Completed																				
Plume Delineation (Monitoring Wells)																								
385-S05-077	M05-04	S05-DGS-M05-04-GW-05	Water	7/13/01	1030	X																	X	
385-S05-078	M05-04	S05-DGS-M05-04-GW-07	Water	7/13/01	1035	X																	X	
385-S05-078A	M05-04	S05-DGS-M05-04-GW-07	Water	7/13/01	1035		X																X	
385-S05-079	M05-04	S05-DGS-M05-04-GW-09	Water	7/13/01	1040	X																	X	
385-S05-080	M05-04	S05-DGS-M05-04-GW-11	Water	7/13/01	1045	X																	X	
385-S05-081	M05-04	S05-DGS-M05-04-GW-13	Water	7/13/01	1050	X																	X	
385-S05-082	M05-04	S05-DGS-M05-04-GW-15	Water				Don't need, well only screened to 15' bgs																	
385-S05-083	M05-07	S05-DGS-M05-07-GW-07	Water	6/26/01	1420	X																	X	
385-S05-084	M05-07	S05-DGS-M05-07-GW-09	Water	6/26/01	1425	X																	X	
385-S05-085	M05-07	S05-DGS-M05-07-GW-11	Water	6/26/01	1430	X																	X	
385-S05-086	M05-07	S05-DGS-M05-07-GW-13	Water	6/26/01	1435	X																	X	
385-S05-087	M05-07	S05-DGS-M05-07-GW-15	Water	6/26/01	1435	X																	X	
385-S05-088	M05-07	S05-DGS-M05-07-GW-15	Water			X	Don't need; TD of well only 17' bgs																X	
385-S05-089	MLS-1	S05-DGS-MLS-1-GW-7	Water			X	Not able to sample; well would not produce water																X	
385-S05-090	MLS-1	S05-DGS-MLS-1-GW-10	Water			X	Not able to sample; well would not produce water																X	
385-S05-091	MLS-1	S05-DGS-MLS-1-GW-13	Water			X	Not able to sample; well would not produce water																X	
385-S05-093	MLS-1	S05-DGS-MLS-1-GW-16	Water			X	Not able to sample; well would not produce water																X	
385-S05-094	MLS-5	S05-DGS-MLS-5-GW-7	Water			X	Not able to sample; well would not produce water																X	
385-S05-095	MLS-5	S05-DGS-MLS-5-GW-10	Water			X	Not able to sample; well would not produce water																X	

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-096	MLS-5	S05-DGS-MLS-5-GW-13	Water			X	Not able to sample; well would not produce water																X	
385-S05-097	MLS-5	S05-DGS-MLS-5-GW-16	Water			X	Not able to sample; well would not produce water																X	
385-S05-098	MLS-6	S05-DGS-MLS-6-GW-7	Water			X	Not able to sample; well would not produce water																X	
385-S05-099	MLS-6	S05-DGS-MLS-6-GW-10	Water			X	Not able to sample; well would not produce water																X	
385-S05-100	MLS-6	S05-DGS-MLS-6-GW-13	Water			X	Not able to sample; well would not produce water																X	
385-S05-101	MLS-6	S05-DGS-MLS-6-GW-16	Water			X	Not able to sample; well would not produce water																X	
385-S05-102	M05-01	S05-DGS-M05-01-GW	Water	7/11/01	1340		X		X		X	X											X	
385-S05-103	M05-02	S05-DGS-M05-02-GW	Water	7/11/01	1510		X		X		X	X											X	
385-S05-104	M05-03	S05-DGS-M05-03-GW	Water	7/12/01	1445		X		X		X	X	Floating product sample										X	
385-S05-105	M05-04	S05-DGS-M05-04-GW	Water	7/13/01	1300		X		X		X	X											X	
385-S05-106	M05-05	S05-DGS-M05-05-GW	Water	7/12/01	1400		X		X		X	X											X	
385-S05-107	M05-06	S05-DGS-M05-06-GW	Water	7/12/01	1020		X		X		X	X											X	
385-S05-108	M05-07	S05-DGS-M05-07-GW	Water	7/12/01	1200		X		X		X	X											X	
385-S05-109	M05-08	S05-DGS-M05-08-GW	Water	7/12/01	1500		X		X		X	X											X	
385-S05-110	M05-09	S05-DGS-M05-09-GW	Water	7/11/01	1515		X		X		X	X											X	
385-S05-111	M05-10	S05-DGS-M05-10-GW	Water	7/11/01	1400		X		X		X	X											X	
385-S05-112	M05-11	S05-DGS-M05-11-GW	Water	7/11/01	920		X		X		X	X											X	
385-S05-113	M05-12	S05-DGS-M05-12-GW	Water	7/11/01	1100		X		X		X	X											X	
385-S05-114	M05BS-01	S05-DGS-M05BS-01-GW	Water	7/13/01	1500		X		X		X	X											X	
385-S05-115	M05HW-01	S05-DGS-M05HW-01-GW	Water	7/13/01	915		X		X		X	X											X	
385-S05-116	D05-01	S05-DGS-D05-01-GW	Water	7/10/01	1225		X		X		X	X											X	
385-S05-117	D05-02	S05-DGS-D05-02-GW	Water	7/10/01	1600		X		X		X	X											X	
385-S05-118	D05-03	S05-DGS-D05-03-GW	Water	7/10/01	1430		X		X		X	X											X	
Plume Delineation (Direct Push)																								
385-S05-001	S05-DGS-DP15	S05-DGS-DP15-GW	Water	6/26/01	1455	X	X																	
385-S05-002	S05-DGS-DP14	S05-DGS-DP14-GW	Water	6/26/01	1505	X	X																	
385-S05-003	S05-DGS-DP16	S05-DGS-DP16-GW	Water	6/26/01	1510	X	X																	
385-S05-004	S05-DGS-DP11	S05-DGS-DP11-GW	Water	6/27/01	1440	X	X																	
385-S05-005	S05-DGS-DP12	S05-DGS-DP12-GW	Water	6/27/01	1505	X	X																	
385-S05-006	S05-DGS-DP10	S05-DGS-DP10-GW	Water	6/28/01	1400	X	X																	
385-S05-007	S05-DGS-DP05	S05-DGS-DP05-GW	Water	6/28/01	1410	X	X																	
385-S05-008	S05-DGS-DP07	S05-DGS-DP07-GW	Water	6/29/01	1320	X	X																	
385-S05-009	S05-DGS-DP08	S05-DGS-DP08-GW	Water	6/29/01	1400	X	X																	
385-S05-010	S05-DGS-DP06	S05-DGS-DP06-GW	Water	6/29/01	1525	X	X																	
385-S05-011	S05-DGS-DP01	S05-DGS-DP01-GW	Water	7/3/01	1605	X	X																	
385-S05-012	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-013	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-014	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-015	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-016	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-017	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-018	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-019	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-020	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-021	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-022	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-023	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-024	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-025	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-026	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-027	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-028	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-029	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-030	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-031	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-032	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-033	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-034	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-035	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-036	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-037	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-038	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-039	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-040	S05-DGS-DP##	S05-DGS-DP##-GW	Water			X	Sample Numbers Not Needed																	
385-S05-041	S05-DGS-DP14	S05-DGS-DP14-SO-1.5	Soil	6/25/01	1113											X[2]								
385-S05-042	S05-DGS-DP14	S05-DGS-DP14-SO-5	Soil	6/25/01	1120											X[2]								
385-S05-043	S05-DGS-DP14	S05-DGS-DP14-SO-10	Soil	6/25/01	1228											X[2]								
385-S05-044	S05-DGS-DP14	S05-DGS-DP14-GW-GW	Water	6/25/01	1155										X		X[1]		X					
385-S05-045	S05-DGS-DP17	S05-DGS-DP17-SO-0.5	Soil	6/22/01	825											X[2]								
385-S05-046	S05-DGS-DP17	S05-DGS-DP17-SO-5	Soil	6/22/01	825											X[2]								
385-S05-047	S05-DGS-DP17	S05-DGS-DP17-GW	Water	6/22/01	909										X		X[1]		X					
385-S05-048	S05-DGS-DP18	S05-DGS-DP18-SO-0.5	Soil	6/22/01	935											X[2]								
385-S05-049	S05-DGS-DP18	S05-DGS-DP18-SO-5	Soil	6/22/01	1055											X[2]								

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-050	S05-DGS-DP18	S05-DGS-DP18-GW	Water	6/22/01	1040										X		X[1]		X					
385-S05-051	S05-DGS-DP19	S05-DGS-DP19-SO-1.5	Soil	6/29/01	825											X[2]								
385-S05-052	S05-DGS-DP19	S05-DGS-DP19-SO-5	Soil	6/29/01	840											X[2]								
385-S05-053	S05-DGS-DP19	S05-DGS-DP19-SO-10	Soil	6/29/01	906											X[2]								
385-S05-054	S05-DGS-DP19	S05-DGS-DP19-GW	Water	6/29/01	846										X		X[1]		X					
385-S05-055	S05-DGS-DP20	S05-DGS-DP20-SO-1.5	Soil	6/21/01	1535											X[2]								
385-S05-056	S05-DGS-DP20	S05-DGS-DP20-SO-5	Soil	6/21/01	1552											X[2]								
385-S05-057	S05-DGS-DP20	S05-DGS-DP20-SO-10	Soil	6/21/01	1635											X[2]								
385-S05-058	S05-DGS-DP20	S05-DGS-DP20-GW-10	Water	6/21/01	1644										X		X[1]		X					
385-S05-059	S05-DGS-DP21	S05-DGS-DP21-GW-6	Water	7/30/01	1010	X																		
385-S05-060	S05-DGS-DP21	S05-DGS-DP21-GW-11	Water	7/30/01	1100	X																		
385-S05-061	S05-DGS-DP21	S05-DGS-DP21-GW-16	Water	7/30/01	1130	X																		
385-S05-062	S05-DGS-DP22	S05-DGS-DP22-GW-6	Water	7/30/01	1450	X																		
385-S05-063	S05-DGS-DP22	S05-DGS-DP22-GW-11	Water	7/30/01	1520	X																		
385-S05-063A	S05-DGS-DP22	S05-DGS-DP22-GW-11	Water	7/30/01	1520		X																	
385-S05-064	S05-DGS-DP22	S05-DGS-DP22-GW-16	Water	7/30/01	1530	X																		
385-S05-065	S05-DGS-DP23	S05-DGS-DP23-GW-6	Water	7/30/01	830	X																		
385-S05-066	S05-DGS-DP23	S05-DGS-DP23-GW-11	Water	7/30/01	910	X																		
385-S05-067	S05-DGS-DP23	S05-DGS-DP23-GW-16	Water	7/30/01	930	X																		
385-S05-068	S05-DGS-DP24	S05-DGS-DP24-GW-6	Water	7/27/01	950	X																		
385-S05-068A	S05-DGS-DP24	S05-DGS-DP24-GW-6	Water	7/27/01	950		X																	
385-S05-069	S05-DGS-DP24	S05-DGS-DP24-GW-11	Water	7/27/01	1030	X																		
385-S05-070	S05-DGS-DP24	S05-DGS-DP24-GW-15	Water	7/27/01	1400	X																		
385-S05-071	S05-DGS-DP25	S05-DGS-DP25-GW-7	Water	7/25/01	1000	X																		
385-S05-072	S05-DGS-DP25	S05-DGS-DP25-GW-12	Water	7/25/01	1010	X																		
385-S05-072A	S05-DGS-DP25	S05-DGS-DP25-GW-12	Water	7/25/01	1010		X																	
385-S05-073	S05-DGS-DP25	S05-DGS-DP25-GW-17	Water	7/25/01	1030	X																		
385-S05-074	S05-DGS-DP26	S05-DGS-DP26-GW-7	Water	7/25/01	1110										X		X[1]							
385-S05-075	S05-DGS-DP27	S05-DGS-DP27-GW-7	Water	7/25/01	1135										X		X[1]							
385-S05-076	S05-DGS-DP28	S05-DGS-DP28-GW-8	Water	7/30/01	1310			X		X														
385-S05-171	S05-DGS-DP33	S05-DGS-DP33-GW-0.5	Soil	8/13/01	840											X[2]								
385-S05-172	S05-DGS-DP33	S05-DGS-DP33-GW-5	Soil	8/13/01	850											X[2]								
385-S05-173	S05-DGS-DP33	S05-DGS-DP33-GW-10	Soil	8/13/01	855											X[2]								
385-S05-174	S05-DGS-DP32	S05-DGS-DP32-GW-0.5	Soil	8/13/01	905											X[2]								

TA[illegible] E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-175	S05-DGS-DP32	S05-DGS-DP32-GW-5	Soil	8/13/01	910											X								
385-S05-176	S05-DGS-DP32	S05-DGS-DP32-GW-10	Soil	8/13/01	915											X								
385-S05-177	S05-DGS-DP31	S05-DGS-DP31-GW-0.5	Soil	8/13/01	930											X								
385-S05-178	S05-DGS-DP31	S05-DGS-DP31-GW-5	Soil	8/13/01	935											X								
385-S05-179	S05-DGS-DP31	S05-DGS-DP31-GW-10	Soil	8/13/01	940											X								
385-S05-180	S05-DGS-DP37	S05-DGS-DP37-GW-8	Water	8/23/01	1345	X																		
385-S05-181	S05-DGS-DP37	S05-DGS-DP37-GW-12	Water	8/23/01	1405	X																		
385-S05-182	S05-DGS-DP37	S05-DGS-DP37-GW-16	Water	8/23/01	1430	X																		
385-S05-183	S05-DGS-DP36	S05-DGS-DP36-GW-8	Water	8/23/01	1400	X																		
385-S05-184	S05-DGS-DP36	S05-DGS-DP36-GW-12	Water	8/23/01	1445	X																		
385-S05-185	S05-DGS-DP36	S05-DGS-DP36-GW-16	Water	8/23/01	1530	X																		
385-S05-186	S05-DGS-DP34	S05-DGS-DP34-GW-8	Water	8/23/01	1510	X																		
385-S05-187	S05-DGS-DP34	S05-DGS-DP34-GW-12	Water	8/23/01	1520	X																		
385-S05-188	S05-DGS-DP34	S05-DGS-DP34-GW-16	Water	8/23/01	1540	X		Same Lab ID Repeated																
385-S05-188	S05-DGS-DP39	S05-DGS-DP39-GW-6	Water	8/24/01	1245	X		Same Lab ID Repeated																
385-S05-189	S05-DGS-DP39	S05-DGS-DP39-GW-11	Water	8/24/01	1320	X																		
385-S05-190	S05-DGS-DP39	S05-DGS-DP39-GW-16	Water	8/24/01	1350	X																		
385-S05-191	S05-DGS-DP38	S05-DGS-DP38-GW-8	Water	8/27/01	850	X																		
385-S05-192	S05-DGS-DP38	S05-DGS-DP38-GW-12	Water	8/27/01	930	X																		
385-S05-193	S05-DGS-DP38	S05-DGS-DP38-GW-16	Water	8/27/01	945	X																		
385-S05-194	S05-DGS-DP35	S05-DGS-DP35-GW-8	Water	8/27/01	1050	X																		
385-S05-195	S05-DGS-DP35	S05-DGS-DP35-GW-12	Water	8/27/01	1110	X																		
385-S05-196	S05-DGS-DP35	S05-DGS-DP35-GW-16	Water	8/27/01	1125	X																		
385-S05-197	S05-DGS-DP40	S05-DGS-DP40-GW-10	Water	8/30/01	1020	X																		
385-S05-198	S05-DGS-DP40	S05-DGS-DP40-GW-15	Water	8/30/01	1045	X																		
385-S05-199	S05-DGS-DP40	S05-DGS-DP40-GW-20	Water	8/30/01	1105	X																		
385-S05-200	S05-DGS-DP41	S05-DGS-DP41-GW-8	Water	9/12/01	1530		X																	
385-S05-201	S05-DGS-DP41	S05-DGS-DP41-GW-12	Water	9/12/01	1545		X																	
385-S05-202	S05-DGS-DP41	S05-DGS-DP41-GW-16	Water	9/12/01	1555		X																	
385-S05-203	S05-DGS-DP42	S05-DGS-DP42-GW-8	Water	9/13/01	830		X																	
385-S05-204	S05-DGS-DP42	S05-DGS-DP42-GW-12	Water	9/13/01	920		X																	
385-S05-205	S05-DGS-DP44	S05-DGS-DP44-GW-9	Water	10/8/01	1430		X																	
385-S05-206	S05-DGS-DP44	S05-DGS-DP44-GW-12	Water	10/8/01	1500		X																	
385-S05-207	S05-DGS-DP43	S05-DGS-DP43-GW-9	Water	10/8/01	1540		X																	
385-S05-208	S05-DGS-DP43	S05-DGS-DP43-GW-12	Water	10/8/01	1600		X																	
385-S05-209	S05-DGS-DP45	S05-DGS-DP45-GW-8	Water	10/9/01	825		X																	
385-S05-210	S05-DGS-DP45	S05-DGS-DP45-GW-12	Water	10/9/01	900		X																	

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-211	S05-DGS-DP47	S05-DGS-DP47-GW-8	Water	10/17/01	1235		X																	
385-S05-212	S05-DGS-DP47	S05-DGS-DP47-GW-12	Water	10/17/01	1325		X																	
385-S05-213	S05-DGS-DP48	S05-DGS-DP48-GW-8	Water	10/17/01	1350		X																	
385-S05-214	S05-DGS-DP48	S05-DGS-DP48-GW-12	Water	10/17/01	1435		X																	
385-S05-215	S05-DGS-DP46	S05-DGS-DP46-GW-8	Water	10/17/01	1515		X																	
385-S05-216	S05-DGS-DP46	S05-DGS-DP46-GW-12	Water	10/17/01	1530		X																	
385-S05-217	S05-DGS-DP49	S05-DGS-DP49-GW-8	Water	11/5/01	1545		X																	
385-S05-218	S05-DGS-DP49	S05-DGS-DP49-GW-12	Water	11/5/01	1625		X																	
385-S05-219	S05-DGS-DP50	S05-DGS-DP50-SO-6	Soil	2/7/02	900											X[2]								
385-S05-220	S05-DGS-DP50	S05-DGS-DP50-SO-8	Soil	2/7/02	905											X[2]								
385-S05-221	S05-DGS-DP51	S05-DGS-DP51-SO-6	Soil	2/7/02	940											X[2]								
385-S05-222	S05-DGS-DP51	S05-DGS-DP51-SO-8	Soil	2/7/02	945											X[2]								
385-S05-223	S05-DGS-DP52	S05-DGS-DP52-SO-6	Soil	2/7/02	1400											X[2]								
385-S05-224	S05-DGS-DP52	S05-DGS-DP52-SO-8	Soil	2/7/02	1405											X[2]								
385-S05-225	S05-DGS-DP53	S05-DGS-DP53-SO-6	Soil	2/7/02	1020											X[2]								
385-S05-226	S05-DGS-DP53	S05-DGS-DP53-SO-8	Soil	2/7/02	1035											X[2]								
385-S05-227	S05-DGS-DP54	S05-DGS-DP54-SO-6	Soil	2/7/02	1105											X[2]								
385-S05-228	S05-DGS-DP54	S05-DGS-DP54-SO-8	Soil	2/7/02	1110											X[2]								
385-S05-229	S05-DGS-DP55	S05-DGS-DP55-SO-6	Soil	2/7/02	1140											X[2]								
385-S05-230	S05-DGS-DP55	S05-DGS-DP55-SO-8	Soil	2/7/02	1145											X[2]								
385-S05-231	S05-DGS-DP56	S05-DGS-DP56-SO-6	Soil	2/7/02	1310											X[2]								
385-S05-232	S05-DGS-DP56	S05-DGS-DP56-SO-8	Soil	2/7/02	1320											X[2]								
385-S05-233	S05-DGS-DP57	S05-DGS-DP57-SO-6	Soil	2/7/02	1455											X[2]								
385-S05-234	S05-DGS-DP57	S05-DGS-DP57-SO-8	Soil	2/7/02	1500											X[2]								
385-S05-235	S05-DGS-DP58	S05-DGS-DP58-SO-6	Soil	2/22/02	935											X[2]								
385-S05-236	S05-DGS-DP58	S05-DGS-DP58-SO-8	Soil	2/22/02	1300											X[2]								
385-S05-237	S05-DGS-DP59	S05-DGS-DP59-SO-6	Soil	2/22/02	1315											X[2]								
385-S05-238	S05-DGS-DP59	S05-DGS-DP59-SO-8	Soil	2/22/02	1330											X[2]								
385-S05-239	S05-DGS-DP60	S05-DGS-DP60-SO-6	Soil	2/22/02	855											X[2]								
385-S05-240	S05-DGS-DP60	S05-DGS-DP60-SO-8	Soil	2/22/02	900											X[2]								
385-S05-241	S05-DGS-DP60	S05-DGS-DP60-SO-8	Soil	5/10/02	1110											X[2]								
385-S05-242	S05-DGS-DP61	S05-DGS-DP61-SO-8	Soil	5/10/02	1140											X[2]								

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-243	S05-DGS-DP62	S05-DGS-DP62-SO-8	Soil	5/10/02	1310											X								
385-S05-244	S05-DGS-DP63	S05-DGS-DP63-SO-8	Soil	5/10/02	1350											X								
385-S05-245	S05-DGS-DP64	S05-DGS-DP64-SO-8	Soil	5/10/02	1420											X								
385-S05-246	S05-DGS-DP65	S05-DGS-DP65-SO-8	Soil	5/10/02	1500											X								
Surface Soil Samples																								
385-S08-001	S08-DGS-SS01	S08-DGS-SS01-SO-0.5	Soil	6/25/01	1530											X			X					
IR Site 10																								
Plume Delineation (Direct Push)																								
385-S10-001	S10-DGS-DP01	S10-DGS-DP01-GW-5	Water	8/2/01	1420	X																		
385-S10-002	S10-DGS-DP01	S10-DGS-DP01-GW-10	Water	8/2/01	1450	X																		
385-S10-003	S10-DGS-DP01	S10-DGS-DP01-GW-15	Water	8/2/01	1510	X																		
385-S10-008	S10-DGS-DP02	S10-DGS-DP02-GW-10	Water	8/22/01	1400	X		X																
385-S10-009	S10-DGS-DP02	S10-DGS-DP02-GW-15	Water	8/22/01	1420	X		X																
385-S10-009A	S10-DGS-DP02	S10-DGS-DP02-GW-15	Water	8/22/01	1420		X		X															
385-S10-010	S10-DGS-DP02	S10-DGS-DP02-GW-20	Water	8/22/01	1430	X		X																
385-S10-011	S10-DGS-DP02	S10-DGS-DP02-GW-5	Water	8/22/01	1330	X		X																
385-S10-012	S10-DGS-DP03	S01-DGS-DP03-GW-5	Water	8/31/01	820	X																		
385-S10-013	S10-DGS-DP03	S01-DGS-DP03-GW-10	Water	8/31/01	830	X																		
385-S10-014	S10-DGS-DP03	S01-DGS-DP03-GW-15	Water	8/31/01	845	X																		
385-S10-015	S10-DGS-DP03	S01-DGS-DP03-GW-20	Water	8/31/01	900	X																		
Plume Delineation (Monitoring Wells)																								
385-S10-004	M10-01	S10-DGS-M10-01-GW	Water	7/6/01	1345		X		X		X	X											X	
385-S10-005	M10-02	S10-DGS-M10-02-GW	Water	7/9/01	1120		X		X		X	X											X	
385-S10-006	M10-03	S10-DGS-M10-03-GW	Water	7/9/01	900		X		X		X	X											X	
385-S10-007	D10A-01	S10-DGS-D10A-01-GW	Water	7/9/01	1000		X		X		X	X											X	
IR Site 12																								
Plume Delineation (Monitoring Wells)																								
385-S12-001	M12-01	S12-DGS-M12-01-GW	Water	7/16/01	930		X		X		X	X											X	
385-S12-002	M12-02	S12-DGS-M12-02-GW	Water	7/16/01	1115		X		X		X	X											X	
385-S12-003	M12-03	S12-DGS-M12-03-GW	Water	7/16/01	1300		X		X		X	X											X	
385-S12-004	M12-04	S12-DGS-M12-04-GW	Water	7/16/01	1415		X		X		X	X											X	
385-S12-005	D12-01	S12-DGS-D12-01-GW	Water	7/11/01	950		X		X		X	X											X	
OU-2C Storm Sewer Investigation																								
Storm Sewer Bedding Investigation																								

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-119	S05-DGS-DP29	S05-DGS-DP29-SO-7.5	Soil	8/15/01	1430																			X[1]
385-S05-120	S05-DGS-VE01	S05-DGS-VE01-SO-7.5	Soil	8/8/01	1200																			X[1]
385-S05-121	S05-DGS- VE01	S05-DGS-VE01-GW-7.5	Water	8/8/01	1220	X		X		X													X	
385-S05-122	S05-DGS- DP30	S05-DGS- DP30-SO-5	Soil	8/15/01	1530																			X[1]
385-S05-123	S05-DGS- VE02	S05-DGS-VE02-SO-5	Soil	8/8/01	1045																			X[1]
385-S05-124	S05-DGS- VE02	S05-DGS-VE02-GW-5	Water	8/8/01	1100	X		X		X													X	
Storm Sewer Infiltration Investigation																								
385-S05-125	S05-DGS-MH-3A	S05-DGS-MH-3A-GWI	Water	7/20/01	715	X		X		X														
385-S05-126	S05-DGS-MH-7A	S05-DGS-MH-7A-GWI	Water	7/24/01	1014	X		X		X														
385-S05-127	S05-DGS-MH-4B	S05-DGS-MH-4B-GWI	Water	7/20/01	805	X		X		X														
385-S05-128	S05-DGS-MH-9D	S05-DGS-MH-9D-GWI	Water	7/20/01	900	X		X		X														
385-S05-129	S05-DGS-MH-6G-18	S05-DGS-MH-6G-18-GWI	Water	7/20/01	835	X		X		X														
385-S05-130	S05-DGS-MH-9G	S05-DGS-MH-9G-GWI	Water	7/13/01	1140	X		X		X														
385-S05-131	S05-DGS-CB-5Z	S05-DGS-CB-5Z-GWI	Water	7/20/01	735	X		X		X														
385-S05-132	S05-DGS-MH-1B	S05-DGS-MH-1B-GWI	Water	Not Needed																				
385-S05-133	S05-DGS-MH-1D	S05-DGS-MH-1D-GWI	Water	Not Needed																				
385-S05-134	S05-DGS-MH-2G	S05-DGS-MH-2G-GWI	Water	Not Needed																				
385-S05-135	S05-DGS-CB-1Z	S05-DGS-CB-1Z-GWI	Water	7/13/01	1300	X		X		X	Sample Held until result of 385-S05-130 are reviewed													
OU-2C Soil Gas Investigation																								
385-S05-136	S05-DGS-SG01	S05-DGS-SG01-SO-1	Soil	6/22/01	1300																			X[2]
385-S05-137	S05-DGS-SG02	S05-DGS-SG02-SO-1	Soil	6/22/01	1420																			X[2]
385-S05-138	S05-DGS-SG03	S05-DGS-SG03-SG-1	Soil Gas	7/19/01	938								X	X										
385-S05-139	S05-DGS-SG03	S05-DGS-SG03-SG-4	Soil Gas	7/19/01	1051								X	X										
385-S05-140	S05-DGS-SG03	S05-DGS-SG03-SG-7	Soil Gas	7/19/01	1154								X	X										
385-S05-141	S05-DGS-SG04	S05-DGS-SG04-SO-1	Soil	7/2/01	1613																			X[2]
385-S05-142	S05-DGS-SG05	S05-DGS-SG05-SO-1	Soil	7/2/01	1625																			X[2]
385-S05-143	S05-DGS-SG06	S05-DGS-SG06-SG-1	Soil Gas	7/23/01	1011								X	X										
385-S05-144	S05-DGS-SG06	S05-DGS-SG06-SG-4	Soil Gas	7/23/01	1049								X	X										
385-S05-145	S05-DGS-SG06	S05-DGS-SG06-SG-6	Soil Gas	7/23/01	1357								X	X										
385-S05-146	S05-DGS-SG07	S05-DGS-SG07-SO-1	Soil	7/23/01	847																			X[2]
385-S05-147	S05-DGS-SG08	S05-DGS-SG08-SO-1	Soil	7/3/01	835																			X[2]
385-S05-148	S05-DGS-SG09	S05-DGS-SG09-SG-1	Soil Gas	7/18/01	1223								X	X										
385-S05-149	S05-DGS-SG09	S05-DGS-SG09-SG-4	Soil Gas	7/18/01	1302								X	X										
385-S05-150	S05-DGS-SG09	S05-DGS-SG09-SG-7	Soil Gas	7/18/01	1420								X	X										
385-S05-151	S05-DGS-SG10	S05-DGS-SG10-SO-1	Soil	7/3/01	935																			X[2]

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
385-S05-152	S05-DGS-SG11	S05-DGS-SG11-SO-1	Soil	7/3/01	920																			X[2]
385-S05-153	S05-DGS-SG12	S05-DGS-SG12-SG-1	Soil Gas	7/23/01	1357								X	X										
385-S05-154	S05-DGS-SG12	S05-DGS-SG12-SG-4	Soil Gas	7/23/01	1513								X	X										
385-S05-155	S05-DGS-SG12	S05-DGS-SG12-SG-7	Soil Gas	Not Needed									X											
385-S05-156	S05-DGS-SG13	S05-DGS-SG13-SO-1	Soil	7/3/01	1050																			X[2]
385-S05-157	S05-DGS-SG14	S05-DGS-SG14-SO-1	Soil	7/3/01	1108																			X[2]
385-S05-158	S05-DGS-SG15	S05-DGS-SG15-SG-3.2	Soil Gas	7/19/01	1331								X	X										
385-S05-159	S05-DGS-SG15	S05-DGS-SG15-SG-4	Soil Gas	No Intermidiate Depth Needed									X	X										
385-S05-160	S05-DGS-SG15	S05-DGS-SG15-SG-6.2	Soil Gas	7/19/01	1441								X	X										
385-S05-161	S05-DGS-SG16	S05-DGS-SG16-SO-0.5	Soil	7/3/01	1134																			X[2]
385-S05-162	S05-DGS-SG17	S05-DGS-SG17-SO-0.5	Soil	7/3/01	1146																			X[2]
385-S05-163	S05-DGS-SG18	S05-DGS-SG18-SG-1	Soil Gas	7/19/01	1645								X	X										
385-S05-164	S05-DGS-SG18	S05-DGS-SG18-SG-4	Soil Gas	7/20/01	756								X	X										
385-S05-165	S05-DGS-SG18	S05-DGS-SG18-SG-7	Soil Gas	7/20/01	1028								X	X										
385-S05-166	S05-DGS-SG19	S05-DGS-SG19-SO-1	Soil	7/20/01	1339																			X[2]
385-S05-167	S05-DGS-SG20	S05-DGS-SG20-SO-1	Soil	7/3/01	1323																			X[2]
385-S05-168	S05-DGS-SG21	S05-DGS-SG21-SG-1	Soil Gas	7/20/01	1156								X	X										
385-S05-169	S05-DGS-SG21	S05-DGS-SG21-SG-4	Soil Gas	7/20/01	1316								X	X										
385-S05-170	S05-DGS-SG21	S05-DGS-SG21-SG-7	Soil Gas	7/20/01	1432								X	X										

CB	Catch Basin
DGS	Data Gap Sample
DP	Direct Push
GW	Groundwater Sample
GWI	Groundwater Infiltration
HA	Hand Auger
MH	Manhole
MW	Monitoring Well
N/A	Not Applicable
RNS	Ribbon NAPL Sample
SG	Soil Gas
SS	Surface Soil
VE	Vacuum Extraction
VOC	Volatile Organic Compounds
SVOC	Semivolatile Organic Compounds
CN-	Cyanide

PCB	Polychlorinated Biphenyls
TO-14	VOCs in air
TPPH	Total Purgeable Petroleum Hydrocarbons
TEPH	Total Extractable Petroleum Hydrocarbons
Cr (VI)	Hexavalent Chromium

Metals (X^1)
Total Chromium
Total Cadmium

Metals (X^2)
Cadmium

Metals (X^3)
Total Chromium

Field Parameters
Temperature
Conductivity
Dissolved Oxygen
Redox Potential
Turbidity
pH

Geotechnical Analysis (X^1)
Particle Size
Permeability
Soil Total Porosity
Soil Dry Bulk Density

Geotechnical Analysis (X^2)
Particle Size
Soil Texture
Volumetric Moisture
Soil Total Porosity
Soil Dry Bulk Density

TABLE E-7

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES OU2-C
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	D-1946	CN-	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis

Notes:

Vertical step-down hydropunch samples are included in this table. Field duplicates, trip blank, fixed laboratory confirmation samples, and horizonatal step-out locations are not included in this table.

Sample depths are approximate. Horizontal step-out locations and actual depth of samples will be determined by site managers using field observations.

SAMPLE IDENTIFICATION NUMBERS FOR INVESTIGATION DERIVED WASTE SAMPLES
OU-1/OU-2 DATA GAP SAMPLING
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	CLP Metals	TCLP for CLP Metals	Pest/PCBs
385-IDW-001	Roll Off Bin	IDW-DGS-SO-COMP	Soil	10/23/01	830		X		X		X	X	X	X	X
385-IDW-002	Baker Tank	IDW-DGS-WA	Water	10/23/01	900		X		X		X	X	X		X
Comp-1	Drum Comp	Comp-1	Soil	6/3/02	1255		X		X		X	X	X		X
Comp-2	Drum Water	Comp-2	Water	6/3/02	1300		X		X		X	X	X		X
385-IDW-003	QC	IDW-DGS-TB-1	Water	10/23/01	800		X								

CLP	Certified Lab Program
DGS	Data Gap Sample
IDW	Investigation Derived Waste
Pest/PCB	Pesticides/Polychlorinated Biphenyls
QC	Quality Control
SVOC	Semivolatile Organic Compounds
TPPH	Total Purgeable Petroleum Hydrocarbons
TEPH	Total Extractable Petroleum Hydrocarbons
VOC	Volatile Organic Compounds

TABLE A3-8

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES
ADDITIONAL DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN (D-1946)	T-Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
CERCLA Site 8																					
Soil Gas Investigation																					
385-S08-~~001~~002	S08-DGS-SG01	S08-DGS-SG01-SO-1.5	Soil	9/7 1125																	X[2]
385-S08-~~002~~003	S08-DGS-SG02	S08-DGS-SG02-SG-1.5	Soil Gas	9/12/01 @ 1450							X	X									
385-S08-~~003~~004	S08-DGS-SG02	S08-DGS-SG02-SG-4.0	Soil Gas	9/12/01 @ 1550							X	X									
385-508-960	QC	508-DGS-SG-FD-1	Air	9/12/01 @ 1615							X	X									
CERCLA Site 22																					
Soil Gas Investigation																					
385-S22-015	S22-DGS-SG04	S22-DGS-SG04-SO-1.5	Soil	9/7 1245																	X[2]
385-S22-016	S22-DGS-SG05	S22-DGS-SG05-SG-1.5	Soil Gas	9/13/01 @ 1225							X	X									
385-S22-017	S22-DGS-SG05	S22-DGS-SG05-SG-4.0	Soil Gas	9/13/01 @ 1330							X	X									
CERCLA Site 3																					
Soil Gas Investigation																					
385-S03-~~069~~102	S03-DGS-SG13	S03-DGS-SG13-SO-1.5	Soil	9/5/01 @ 0840																	X[2]
385-S03-~~070~~103	S03-DGS-SG14	S03-DGS-SG14-SG-1.5	Soil Gas	9/14/01 @ 0845							X	X									
385-S03-~~071~~104	S03-DGS-SG14	S03-DGS-SG14-SG-4.0	Soil Gas	9/14/01 @ 1000							X	X									
385-S03-~~072~~105	S03-DGS-SG15	S03-DGS-SG15-SO-1.5	Soil	9/5/01 @ 1000																	X[2]
385-S03-~~073~~106	S03-DGS-SG16	S03-DGS-SG16-SG-1.5	Soil Gas	9/14/01 @ 1110							X	X									
385-S03-~~074~~107	S03-DGS-SG16	S03-DGS-SG16-SG-4.0	Soil Gas	9/14/01 @ 1220							X	X									
LNAPL Investigation																					
385-S03-~~075~~108	S03-DGS-DP~~14~~27	S03-DGS-DP14-GW-6	Water				X		X												X[2]
CERCLA Site 4																					
Soil Gas Investigation																					
385-S04-~~173~~300	S04-DGS-SG19	S04-DGS-SG19-SO-1.5	Soil	9/5/01 @ 1115																	X[2]
385-S04-~~174~~301	S04-DGS-SG20	S04-DGS-SG19-SG-1.5	Soil Gas	9/13/01 @ 1500							X	X									
385-S04-~~175~~302	S04-DGS-SG20	S04-DGS-SG19-SG-4.0	Soil Gas	9/13/01 @ 1605							X	X									

TABLE A3-8

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES
ADDITIONAL DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT

D-1946

Laboratory Identification	Point Name	Field Identification	Matrix	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN	T-Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis	MTBE	BTEX
CAA-9A																							
Soil Investigation for Corrective Action Decision (Direct Push)																							
385-CAA9A-~~001~~ 005	CAA9A-DGS-DP01	CAA9A-DGS-DP01-SO-1.5	Soil	9/13/01 @ 1000	X		X		X														
385-CAA9A-~~002~~ 006	CAA9A-DGS-DP01	CAA9A-DGS-DP01-SO-4.5	Soil	9/13 @ 1030	X		X		X														
385-CAA9A-~~003~~ 007	CAA9A-DGS-DP01	CAA9A-DGS-DP01-SO-7.0	Soil	9/13 @ 1100	X		X		X														
385-CAA9A-~~004~~ 008	CAA9A-DGS-DP01	CAA9A-DGS-DP01-SO-10	Soil	9/13 @ 1115	X		X		X														
Soil Gas Investigation																							
385-CAA9A-001	CAA9A-DGS-SG01	CAA9A-DGS-SG01-SO-1.5	Soil	9-7-01 @ 1330																	X[2]		
385-CAA9A-002	CAA9A-DGS-SG02	CAA9A-DGS-SG02-SG-1.5	Soil Gas	9/13/01 @ 0930							X	X											
385-CAA9A-003	CAA9A-DGS-SG02	CAA9A-DGS-SG02-SG-4.0	Soil Gas	9/13/01 @ 1030							X	X											
CAA-10																							
Soil Gas Investigation																							
385-CAA10-001	CAA10-DGS-SG01	CAA10-DGS-SG01-SO-1.5	Soil	9/5/01 @ 1500																	X[2]		
385-CAA10-002	CAA10-DGS-SG02	CAA10-DGS-SG02-SG-1.5	Soil Gas	9/10/01 @ 1445							X	X											
385-CAA10-003	CAA10-DGS-SG02	CAA10-DGS-SG02-SG-4.0	Soil Gas	9/10/01 @ 1540							X	X											
385-CAA10-004	CAA10-DGS-SG03	CAA10-DGS-SG03-SG-1.5	Soil	9/5/01 @ 1350																	X[2]		
385-CAA10-005	CAA10-DGS-SG04	CAA10-DGS-SG04-SG-1.5	Soil Gas	9/10/01 @ 0910							X	X											
385-CAA10-006	CAA10-DGS-SG04	CAA10-DGS-SG04-SG-4.0	Soil Gas	9/10/01 @ 1005							X	X											
385-CAA10-900	QC	CAA10-DGS-SG-FB-1	Air	9/10/01 @ 1400							X	X											
Plume Delineation (Monitoring Wells)																							
385-CAA9A-008	584-MW1	CAA9A-DGS-584-MW1-GW	Water	9/27/01 @ 1510	X		X							X							X	X	
385-CAA9A-009	584-MW2	CAA9A-DGS-584-MW2-GW	Water	9/27/01 @ 1100	X		X							X							X	X	
385-CAA9A-010	584-MW3	CAA9A-DGS-584-MW3-GW	Water	9/27/01 @ 1300	X		X							X							X	X	
385-CAA9A-900	QC	CAA9A-DGS-TB-1	Water	9/27/01 @ 1430																	X	X	
385-CAA9A-901	QC	CAA9A-DGS-FD-1	Water	9/27/01 @ 1400	X		X							X							X	X	
385-CAA9A-011	CAA9A-DGS-OF-0	CAA9A-DGS-OF-0-GW	Water	10/15/01 @ 1700	X		X																
385-CAA9A-902	QC	CAA9A-DGS-TB-2	Water	10/15/01 @ 1630																			

VOCs Including MTBE

TABLE A3-8

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES
ADDITIONAL DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN^-	T-Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
CAA-12																					
Soil Gas Investigation																					
385-CAA12-001	CAA12-DGS-DP01	CAA12-DGS-DP01-SO-1.5	Soil 9/5@0905		X		X		X												
385-CAA12-002	CAA12-DGS-DP01	CAA12-DGS-DP01-SO-5.0	Soil 9/5@0915		X		X		X												
385-CAA12-003	CAA12-DGS-DP01	CAA12-DGS-DP01-SO-10	Soil 9/5@1000		X		X		X												
385-CAA12-004	CAA12-DGS-DP01	CAA12-DGS-DP01-SO-15	Soil 9/5@1020		X		X		X												
385-CAA12-005	CAA12-DGS-DP02	CAA12-DGS-DP02-SO-1.5	Soil 9/5@1215		X		X		X												
385-CAA12-006	CAA12-DGS-DP02	CAA12-DGS-DP02-SO-5.0	Soil 9/5@1345		X		X		X												
385-CAA12-007	CAA12-DGS-DP02	CAA12-DGS-DP02-SO-10	Soil 9/5@1430		X		X		X												
385-CAA12-008	CAA12-DGS-DP02	CAA12-DGS-DP02-SO-15	Soil		X		X		X												
385-CAA12-009	CAA12-DGS-DP03	CAA12-DGS-DP03-SO-1.5	Soil 9/4/01 1030		X		X		X												
385-CAA12-010	CAA12-DGS-DP03	CAA12-DGS-DP03-SO-~~5.0~~4.5	Soil 1045		X		X		X												
385-CAA12-011	CAA12-DGS-DP03	CAA12-DGS-DP03-SO-~~10~~9.5	Soil 1100		X		X		X												
385-CAA12-012	CAA12-DGS-DP03	CAA12-DGS-DP03-SO-~~15~~15	Soil 1230		X		X		X												
385-CAA12-013	CAA12-DGS-DP04	CAA12-DGS-DP04-SO-1.5	Soil 1415		X		X		X												
385-CAA12-014	CAA12-DGS-DP04	CAA12-DGS-DP04-SO-~~5.0~~4	Soil 1430		X		X		X												
385-CAA12-015	CAA12-DGS-DP04	CAA12-DGS-DP04-SO-10	Soil 1510		X		X		X												
385-CAA12-016	CAA12-DGS-DP04	CAA12-DGS-DP04-SO-15	Soil 1540		X		X		X												
385-CAA12-901	QC	CAA12-DGS-ER-1	Water 9/5@1430				X		X												
385-CAA12-902	QC	CAA12-DGS-FD-1	Water 9/5@0800				X		X												
FUEL LINE CAA-A																					
LNAPL Investigation																					
385-FLCAAA-001	FLCAAA-DGS-DP01	FLCAA-DGS-DP01-GW-1	Water				X		X												X^2

TABLE A3-8

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES
ADDITIONAL DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT

D-1946

Laboratory Identification	Point Name	Field Identification	Matrix	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN⁻	T-Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
FUEL LINE CAA-B																					
Soil Investigation for Corrective Action Decision (Direct Push)																					
385-FLCAAB-001	FLCAAB-DGS-DP01	FLCAAB-DGS-DP01-SO-1.5	Soil	9/13@1530	X		X		X												
385-FLCAAB-002	FLCAAB-DGS-DP01	FLCAAB-DGS-DP01-SO-4.5	Soil	9/13@1545	X		X		X												
385-FLCAAB-003	FLCAAB-DGS-DP01	FLCAAB-DGS-DP01-SO-7.0	Soil	9/13@1600	X		X		X												
385-FLCAAB-004	FLCAAB-DGS-DP01	FLCAAB-DGS-DP01-SO-10	Soil	9/13@1700	X		X		X												
Soil Gas Investigation																					
385-FLCAAB-005	FLCAAB-DGS-SG01	FLCAAB-DGS-SG01-SO-1.5	Soil	9/5/01 1620																	X[2]
385-FLCAAB-006	FLCAAB-DGS-SG02	FLCAAB-DGS-SG02-SG-1.5	Soil Gas	9/11/01 @1155							X X										
385-FLCAAB-007	FLCAAB-DGS-SG02	FLCAAB-DGS-SG02-SG-4.0	Soil Gas	9/11/01 @1300							X X										
385-FLCAAB-008	FLCAAB-DGS-SG03	FLCAAB-DGS-SG03-SO-1.5	Soil	9/7 840																	X[2]
385-FLCAAB-009	FLCAAB-DGS-SG04	FLCAAB-DGS-SG04-SG-1.5	Soil Gas	9/11/01 @1430							X X										
385-FLCAAB-010	FLCAAB-DGS-SG04	FLCAAB-DGS-SG04-SG-4.0	Soil Gas	9/11/01 @1525							X X										
385-FLCAAB-011	FLCAAB-DGS-SG05	FLCAAB-DGS-SG05-SO-1.5	Soil	9/7 915																	X[2]
385-FLCAAB-012	FLCAAB-DGS-SG06	FLCAAB-DGS-SG06-SG-1.5	Soil Gas	9/12/01 @0850							X X										
385-FLCAAB-013	FLCAAB-DGS-SG06	FLCAAB-DGS-SG06-SG-4.0	Soil Gas	9/12/01 @1000							X X										
385-FLCAAB-014	FLCAAB-DGS-SG07	FLCAAB-DGS-SG07-SO-1.5	Soil	9/7 1020																	X[2]
385-FLCAAB-015	FLCAAB-DGS-SG08	FLCAAB-DGS-SG08-SG-1.5	Soil Gas	9/12/01 @1155							X X										
385-FLCAAB-016	FLCAAB-DGS-SG08	FLCAAB-DGS-SG08-SG-4.0	Soil Gas	9/12/01 @1250							X X										
385-FLCAAB-901	QC	FLCAAB-DGS-SG-FD-1	Air	9/11/01 @1600							X X										

Used 001 accidentally - should be 005

TABLE A3-8

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES
ADDITIONAL DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	VOC Mobile Lab	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	TO-14	CN^-	T-Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	Dioxins	pH	Field Parameters	Geotechnical Analysis
EBS PARCEL 8																					
Plume Delineation (Direct Push)																					
385-EBS8-001	EBS8-DGS-DP01	EBS8-DGS-DP01-GW-5.0	Water		X	8/27/01	1505														
385-EBS8-002	EBS8-DGS-DP01	EBS8-DGS-DP01-GW-10	Water		X	8/27/01	1515														
385-EBS8-003	EBS8-DGS-DP01	EBS8-DGS-DP01-GW-15	Water		X	8/27/01	1530														
385-EBS8-004	EBS8-DGS-DP02	EBS8-DGS-DP02-GW-5.0	Water		X	8/27/01	1415														
385-EBS8-005	EBS8-DGS-DP02	EBS8-DGS-DP02-GW-10	Water		X	8/27/01	1430														
385-EBS8-006	EBS8-DGS-DP02	EBS8-DGS-DP02-GW-15	Water		X	8/27/01	~~1415~~														
385-EBS8-007	EBS8-DGS-DP03	EBS8-DGS-DP03-GW-5.0	Water		X	8/27/01	1310														
385-EBS8-008	EBS8-DGS-DP03	EBS8-DGS-DP03-GW-10	Water		X	8/27/01	1325														
385-EBS8-009	EBS8-DGS-DP03	EBS8-DGS-DP03-GW-15	Water		X	8/27/01	1340														
385-EBS8-010	EBS8-DGS-DP04	EBS8-DGS-DP04-GW-5.0	Water		X	8/28/01	0900														
385-EBS8-011	EBS8-DGS-DP04	EBS8-DGS-DP04-GW-10	Water		X	8/28/01	0915														
385-EBS8-~~016~~012	EBS8-DGS-DP04	EBS8-DGS-DP04-GW-15	Water		X	8/28/01	0935														
385-EBS8-013	EBS8-DGS-DP04	EBS8-DGS-DP04-GW-20	Water		X	8/28/01	0945														
EBS PARCEL 23G																					
Soil Investigation for Corrective Action Decision (Direct Push)																					
385-EBS23G-001	EBS23G-DGS-DP01	EBS23G-DGS-DP01-~~GW~~-SO-1.5	Soil 9/13@1300		X		X		X												
385-EBS23G-002	EBS23G-DGS-DP01	EBS23G-DGS-DP01-~~GW~~-SO-5.0	Soil 9/13@1330		X		X		X												
385-EBS23G-003	EBS23G-DGS-DP01	EBS23G-DGS-DP01-~~GW~~-SO-7.5	Soil 9/13@1345		X		X		X												
385-EBS23G-004	EBS23G-DGS-DP01	EBS23G-DGS-DP01-~~GW~~-SO-10	Soil 9/13@1415		X		X		X												
385-EBS23G-900	QC	EBS23G-DGS-ER-1	Water 9/13@1700		X		X		X												

TABLE A3-8

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL, GROUNDWATER, STORMWATER AND SOIL GAS SAMPLES
ADDITIONAL DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT

CB	= Catch Basin
DGS	= Data Gap Sample
DP	= Direct Push
GW	= Ground Water Sample
GWI	= Ground Water Infiltration
HA	= Hand Auger
MH	= Manhole
MW	= Monitoring Well
N/A	= Not Applicable
RNS	= Ribbon NAPL Sample
SG	= Soil Gas
VE	= Vacuum Extraction

VOC	= Volatile Organic Compounds
SVOC	= Semivolatile Organic Hydrocarbons
CN^-	= Cyanide
PCBs	= Polychlorinated Biphenyls
SVOC	= Semi volatile Organic Compounds
TO-14	= VOCs in air
TPPH	= Total Purgeable Petroleum Hydrocarbons
TEPH	= Total Extractable Petroleum Hydrocarbon
D-Metals	= Dissolved Metals
T-Metals	= Total Metals
Cr (VI)	= Hexavalent Chromium

Field Parameters	Geotechnical Analysis (X^1)	Geotechnical Analysis (X^2)
Temperature	Particle Size	Particle size
Conductivity	Permeability	Soil Texture
Dissolved Oxygen	Soil Total Porosity	Volumetric Moisture
Redox Potential	Soil Dry Bulk Density	Soil Total Porosity
Turbidity		Soil Dry Bulk Density
pH		

Notes:
Vertical step-down hydropunch samples are included in this table.
Field duplicates, trip blank, and fixed laboratory confirmation samples are not included in this table. Horizontal step-out locations will be determined by site managers using field observations and are not included in this table.
Sample depth intervals are approximate. Actual depth of samples will be determined by site managers using field observations.
* Groundwater samples from monitoring wells submitted for SVOC analysis will be extracted for full-scan GC/MS (8270C) and selected ion monitoring GC/MS (8270SIM). If results for benzo(a)pyrene (BaP) by full-scan GC/MS are reported as non-detect at the 10 ug/L detection limit, then the 8270SIM extract will be analyzed in an attempt to meet the residential PRG of 0.2 ug/L for BaP.

8/28

Samples for geotech

Contin Sa

VOC Contin Sample

Table 2
IR Sites 11/21 Proposed Design Data Gap Sampling

Boring Number	Proposed Sample Depth	Revised Soil Sample Locations	Geotech Parameters: Permeability to Air, Dry Bulk Density, Grain Density, Grain Size Distribution, Air Porosity (Geotechnical Laboratory API RP40)	Geotech Parameters: Moisture Content (Geotechnical Laboratory ASTM D2216)	Geotech Parameters: Relative Permeability	Geotech Parameters: Pore Pressure Dissapation	Revised Geotech Parameters: Permeability to Air, Dry Bulk Density, Grain Density, Grain Size Distribution, Air Porosity (Geotechnical Laboratory API RP40)	Revised Geotech Parameters: Moisture Content (Geotechnical Laboratory ASTM D2216)	Revised Geotech Parameters: Relative Permeability	Revised Geotech Parameters: Pore Pressure Dissapation
S11 - DP103	NA	6-7					X	X		
IT-DGS11-03	10'	10-11				X	X	X	X	
	12'	NC	X 9/5/01	X	X	X				11
	15'	15-16	X	X	X	X	X	X	X	15
	25'	23.5-25	24-25 X		X	X	X		X	25
	35'	37.7-39.3	37.7-39.0 X		X	X	X		X	35
	50'	42.7-45	42.7-44.0			X	X		X	49
S11 - DP109	NA	5-6					X	X		
IT-DGS11-09	10'	9.5-11	10-11			X	X	X	X	
	12'	NC	X 9/4/01	X	X	X				11
	15'	15-16	X	X	X	X	X	X	X	15
	25'	24.8-25.5	25-26 X		X	X	X		X	25
	35'	NC	X		X	X				35
	50'	44-45*	45-46			X	X		X	49
IT-DGS11-01	10'	10	10-11			X	X	X	X	
S11 - DP101	12'	NC	X	X	X	X				15
	15'	15	15-16 X 9/5/01	X	X	X	X	X	X	
	NA	NA								21
	25'	20	20-21 X		X	X	X		X	28
	35'	42	42-43 X		X	X	X		X	35
	50'					X				50
	NA	5-6					X	X		
IT-DGS21-04	10'	9.5-10.5	10-11			X	X	X	X	10
S21 - DP104	12'	NC	X	X	X	X				12
	15'	17.5-18.5*	16-17 X 9/4/01	X	X	X	X	X	X	16
	NA	NA								18.7
	25'	NC	X		X	X				25
	35'	34-35	X		X	X	X		X	35
	50'	40.5-41.5*	41-42			X	X		X	50
NUMBER OF SAMPLES			16	8	16	24	19	10	17	22

GREEN PROPOSED MODS
RED IS COMPLETED
GRAY BACKGROUND NOT YET CONSIDERED

TABLE A-3-9

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL AND GROUNDWATER SAMPLES
SITES 11 AND 21
ALAMEDA POINT, ALAMEDA, CALIFORNIA

Laboratory Identification	Point Name	Field Identification	Matrix	Soil - Geotechnical Parameters: Permeability to Air, Dry Bulk Density, Grain Density, Grain Size Distribution and Air Porosity (Geotechnical Laboratory API RP40)	Moisture Content (Geotechnical Laboratory ASTM D2216)	Relative Permeability	Pore Pressure Dissipation	Groundwater Parameters: Iron (II) (Hach Test Kit)	Conductivity	Redox	pH	Dissolved Oxygen	Volatile and Semivolatile Organic Compounds (SW 846 Methods 8260 and 8270)	Nitrate (SW 846 Method 9056)	Sulfate (SW 846 Method 9056)	Methane, Ethane, Ethene (RSK 175, EPA Draft Method)	Phosphate (EPA Method 300)	Fractional Organic Carbon
													2 contain 3 VOA	500 ml poly vapres		3 VOA vapres		500 ml P H2SO4
Installation Restoration Site 11																		
385-S11-101	S11-DGS-DP103 √	S11-DGS-DP103-SO-10	Soil				X											
385-S11-102 9/18		S11-DGS-DP103-GW-10	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-103		S11-DGS-DP103-SO-12	Soil	X	X	X	X											
385-S11-104		S11-DGS-DP103-SO-15	Soil	X	X	X	X											
385-S11-105		S11-DGS-DP103-SO-25	Soil	X		X	X											
385-S11-106 9/18		S11-DGS-DP103-GW-25	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-107		S11-DGS-DP103-SO-35	Soil	X		X	X											
385-S11-108		S11-DGS-DP103-SO-50	Soil				X											
385-S11-109 9/18		S11-DGS-DP103-GW-50	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-110 8/27	S11-DGS-DP102	S11-DGS-DP102-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-111 8/27		S11-DGS-DP102-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-112 8/27		S11-DGS-DP102-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-113 8/28	S11-DGS-DP104	S11-DGS-DP104-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-114 8/28		S11-DGS-DP104-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-115 8/28		S11-DGS-DP104-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-116	S11-DGS-DP109 √	S11-DGS-DP109-SO-10	Soil				X											
385-S11-117 9/18		S11-DGS-DP109-GW-10	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-118		S11-DGS-DP109-SO-12	Soil	X	X	X	X											
385-S11-119		S11-DGS-DP109-SO-15	Soil	X	X	X	X											
385-S11-120		S11-DGS-DP109-SO-25	Soil	X	√	X	X											
385-S11-121 9/18		S11-DGS-DP109-GW-25	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-122		S11-DGS-DP109-SO-35	Soil	X		X	X											
385-S11-123		S11-DGS-DP109-SO-50	Soil				X											
385-S11-124 9/18		S11-DGS-DP109-GW-50	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-125 8/24	S11-DGS-DP105 √	S11-DGS-DP105-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-126 8/24		S11-DGS-DP105-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-127 8/24		S11-DGS-DP105-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-128 8/24	S11-DGS-DP107 √	S11-DGS-DP107-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-129 8/24		S11-DGS-DP107-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-130 8/24		S11-DGS-DP107-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-131 8/30	S11-DGS-DP108 √	S11-DGS-DP108-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-132 8/30		S11-DGS-DP108-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-133 8/30		S11-DGS-DP108-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S11-134	S11-DGS-DP101	S11-DGS-DP101-SO-10	Soil				X											
385-S11-135 9/19		S11-DGS-DP101-GW-10	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-136		S11-DGS-DP101-SO-12	Soil	X	X	X	X											
385-S11-137		S11-DGS-DP101-SO-15	Soil	X	X	X	X											
385-S11-138		S11-DGS-DP101-SO-25	Soil	X	X	X	X											
385-S11-139 9/19		S11-DGS-DP101-GW-25	Water					X	X	X	X	X	X	X	X	X	X	X
385-S11-140		S11-DGS-DP101-SO-35	Soil	X		X	X											
385-S11-141		S11-DGS-DP101-SO-50	Soil				X											
385-S11-142 9/19		S11-DGS-DP101-GW-50	Water					X	X	X	X	X	X	X	X	X	X	X
NUMBER-OF SAMPLES >>			Water	12	12	12	18	24	24	24	24	24	24	24	24	24	24	9

4 @ 25 ft 9/18 385-S11-143 QC S11-DGS-FD-2 ← Duplicate of all analyses except VOCs
9/18 385-S11-144 QC S11-DGS-TB-2

Note: Samples with A extension sent to mobile lab for VOC analysis. Confirmation samples for VOCs were sent to the fixed lab at a ~~rate~~ frequency of 10%.

25 ft 9/18 385-S11-145 QC S11-DGS-FD-3
9/18 385-S11-146 QC S11-DGS-ER-3

TABLE A-3-9

SAMPLE IDENTIFICATION NUMBERS
FOR SOIL AND GROUNDWATER SAMPLES
SITES 11 AND 21
ALAMEDA POINT, ALAMEDA, CALIFORNIA

				Soil - Geotechnical Parameters				Groundwater Parameters										
Laboratory Identification	Point Name	Field Identification	Matrix	Permeability to Air, Dry Bulk Density, Grain Density, Grain Size Distribution and Air Porosity (Geotechnical Laboratory API RP40)	Moisture Content (Geotechnical Laboratory ASTM D2216)	Relative Permeability	Pore Pressure Dissipation	Iron (II) (Hach Test Kit)	Conductivity	Redox	pH	Dissolved Oxygen	Volatile and Semivolatile Organic Compounds (SW 846 Methods 8260 and 8270)	Nitrate (SW 846 Method 9056)	Sulfate (SW 846 Method 9056)	Methane, Ethane, Ethene (RSK 175, EPA Draft Method)	Phosphate (EPA Method 300)	Fractional Organic Carbon
Installation Restoration Site 21																		
385-S21-101 8/29	S21-DGS-DP101	S21-DGS-DP101-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-102 102A 8/29		S21-DGS-DP101-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-103 103A 8/29		S21-DGS-DP101-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-104 104A 8/29	S21-DGS-DP102	S21-DGS-DP102-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-105 105A 8/29		S21-DGS-DP102-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-106 106A 8/29		S21-DGS-DP102-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-107 107A 8/27	S21-DGS-DP103	S21-DGS-DP103-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-108 108A 8/27		S21-DGS-DP103-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-109 109A 8/27		S21-DGS-DP103-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-110	S21-DGS-DP104	S21-DGS-DP104-SO-10	Soil				X											
385-S21-111		S21-DGS-DP104-GW-10	Water					X	X	X	X	X	X	X	X	X	X	X
385-S21-112		S21-DGS-DP104-SO-12	Soil	X	X	X	X											
385-S21-113		S21-DGS-DP104-SO-15	Soil	X	X	X	X											
385-S21-114		S21-DGS-DP104-SO-25	Soil	X		X	X											
385-S21-115		S21-DGS-DP104-GW-25	Water					X	X	X	X	X	X	X	X	X	X	X
385-S21-116		S21-DGS-DP104-SO-35	Soil	X		X	X											
385-S21-117		S21-DGS-DP104-SO-50	Soil				X											
385-S21-118		S21-DGS-DP104-GW-50	Water					X	X	X	X	X	X	X	X	X	X	X
385-S21-119 119A 8/28	S21-DGS-DP105	S21-DGS-DP105-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-120 120A 8/28		S21-DGS-DP105-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-121 121A 8/28		S21-DGS-DP105-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-122 122A 8/30	S21-DGS-DP106	S21-DGS-DP106-GW-10	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-123 123A 8/30		S21-DGS-DP106-GW-25	Water					X	X	X	X	X	X	X	X	X	X	
385-S21-124 124A 8/30		S21-DGS-DP106-GW-50	Water					X	X	X	X	X	X	X	X	X	X	
8/29 DP105 @ 10 ft 385-S21-125	QC	S21-DGS-FD-2 ← Duplicate of all analyses except VOCs																
8/28 (DP102 @ 25 ft) 385-S21-126	QC	S21-DGS-FD-3 ← Duplicate of all analyses except VOCs																
		NUMBER OF SAMPLES >>		4	2	4	6	18	18	18	18	18	18	18	18	18	18	3

VOC Confirmatory sample collected

Notes:

API	American Petroleum Institute
ASTM	American Society for Testing and Materials
DGS	Data Gap Sample
DP	Direct-Push
EPA	U.S. Environmental Protection Agency
Redox	Reduction/oxidation potential

Note: Samples with "A" extension sent to mobile lab for VOC analysis, Confirmation samples for VOC analysis were sent to the fixed lab at a frequency of 10%.

TABLE E-10
SAMPLE IDENTIFICATION NUMBERS FOR SOIL AND GROUNDWATER
SITES CAA4C, S07, EBS8, EBS98
ALAMEDA POINT

Laboratory Identification	Point Name	Field Identification	Matrix	Date Sampled	Time Sampled	VOC Fixed Lab	TPPH Mobile Lab	TPPH Fixed Lab	TEPH Mobile Lab	TEPH Fixed Lab	SVOC	BTEX	D-1946	Total Metals	Dissolved Metals	Lead	Cr (VI)	PCBs	MTBE	pH	Chlorinated Pesticides	Forensic TPH
Parcel 113 Incinerator Investigation																						
385-S07-001	S07-DGS-DP01	S07-DGS-DP01-SO-0.5	Soil	4/25/02	1125											X						
385-S07-002	S07-DGS-DP01	S07-DGS-DP01-SO-2	Soil	4/25/02	1135											X						
385-S07-003	S07-DGS-DP01	S07-DGS-DP01-SO-4	Soil	4/25/02	1140											X						
385-S07-004	S07-DGS-DP02	S07-DGS-DP02-SO-0.5	Soil	4/25/02	845											X						
385-S07-005	S07-DGS-DP02	S07-DGS-DP02-SO-2	Soil	4/25/02	850											X						
385-S07-006	S07-DGS-DP02	S07-DGS-DP02-SO-4	Soil	4/25/02	900											X						
385-S07-007	S07-DGS-DP03	S07-DGS-DP03-SO-0.5	Soil	4/25/02	935											X						
385-S07-008	S07-DGS-DP03	S07-DGS-DP03-SO-2	Soil	4/25/02	940											X						
385-S07-009	S07-DGS-DP03	S07-DGS-DP03-SO-4	Soil	4/25/02	945											X						
EBA Parcel 8 Plume Delineation																						
385-EBS8-015	EBS8-DGS-DP05	EBS8-DGS-DP05-GW-8	Water	4/19/02	1130	X																
385-EBS8-016	EBS8-DGS-DP05	EBS8-DGS-DP05-GW-12	Water	4/19/02	1150	X																
385-EBS8-017	EBS8-DGS-DP06	EBS8-DGS-DP06-GW-8	Water	4/19/02	1045	X																
385-EBS8-018	EBS8-DGS-DP06	EBS8-DGS-DP06-GW-12	Water	4/19/02	1105	X																
385-EBS8-019	EBS8-DGS-DP07	EBS8-DGS-DP07-GW-8	Water	4/19/02	1320	X																
385-EBS8-020	EBS8-DGS-DP07	EBS8-DGS-DP07-GW-12	Water	4/19/02	1340	X																
385-EBS8-021	EBS8-DGS-DP08	EBS8-DGS-DP08-GW-8	Water	5/3/02	845	X																
385-EBS8-022	EBS8-DGS-DP08	EBS8-DGS-DP08-GW-12	Water	5/3/02	900	X																
385-EBS8-023	EBS8-DGS-DP09	EBS8-DGS-DP09-GW-8	Water	5/8/02	1415	X																
385-EBS8-024	EBS8-DGS-DP09	EBS8-DGS-DP09-GW-12	Water	5/8/02	1430	X																
385-EBS8-025	EBS8-DGS-DP10	EBS8-DGS-DP10-GW-8	Water	5/8/02	1505	X																
385-EBS8-026	EBS8-DGS-DP10	EBS8-DGS-DP10-GW-12	Water	5/8/02	1522	X																
385-EBS8-027	EBS8-DGS-DP11	EBS8-DGS-DP11-GW-8	Water	5/8/02	855	X																
385-EBS8-028	EBS8-DGS-DP11	EBS8-DGS-DP11-GW-12	Water	5/8/02	907	X																
385-EBS8-029	EBS8-DGS-DP12	EBS8-DGS-DP12-GW-8	Water	5/8/02	942	X																
385-EBS8-030	EBS8-DGS-DP12	EBS8-DGS-DP12-GW-12	Water	5/8/02	1005	X																
Corrective Action Area (CAA) 4C Plume Delineation																						
385-CAA4C-001	CAA4C-DGS-DP01	CAA4C-DGS-DP01-GW-10	Water	4/18/02	1030		X					X				X			X			
385-CAA4C-002	CAA4C-DGS-DP01	CAA4C-DGS-DP01-GW-15	Water	4/18/02	1130		X					X				X			X			
385-CAA4C-003	CAA4C-DGS-DP02	CAA4C-DGS-DP02-GW-12	Water	4/18/02	830		X					X				X			X			
385-CAA4C-004	CAA4C-DGS-DP02	CAA4C-DGS-DP02-GW-17	Water	4/18/02	900		X					X				X			X			
385-CAA4C-005	CAA4C-DGS-DP03	CAA4C-DGS-DP03-GW-7	Water	4/17/02	1330		X					X				X			X			
385-CAA4C-006	CAA4C-DGS-DP03	CAA4C-DGS-DP03-GW-12	Water	4/17/02	1440		X					X				X			X			

TABLE E-10
SAMPLE IDENTIFICATION NUMBERS FOR SOIL AND GROUNDWATER
SITES CAA4C, S07, EBS8, EBS98
ALAMEDA POINT

385-CAA4C-007	CAA4C-DGS-DP04	CAA4C-DGS-DP04-GW-8	Water	4/18/02	1340		X					X				X			X			
385-CAA4C-008	CAA4C-DGS-DP04	CAA4C-DGS-DP04-GW-13	Water	4/18/02	1415		X					X				X			X			
385-CAA4C-009	CAA4C-DGS-DP05	CAA4C-DGS-DP05-GW-8	Water	4/18/02	1525		X					X				X			X			
385-CAA4C-010	CAA4C-DGS-DP05	CAA4C-DGS-DP05-GW-14	Water	4/18/02	1600		X					X				X			X			
385-CAA4C-011	CAA4C-DGS-DP06	CAA4C-DGS-DP06-GW-4	Water	5/8/02	1005		X					X				X			X			
385-CAA4C-012	CAA4C-DGS-DP07	CAA4C-DGS-DP07-GW-8	Water	5/8/02	915		X					X				X			X			
385-CAA4C-013	CAA4C-DGS-DP08	CAA4C-DGS-DP08-GW-4	Water	5/8/02	1042		X					X				X			X			
385-CAA4C-014	CAA4C-DGS-DP09	CAA4C-DGS-DP09-GW-4	Water	5/8/02	1118		X					X				X			X			
385-CAA4C-015	CAA4C-DGS-DP10	CAA4C-DGS-DP10-GW-4	Water	5/8/02	1250		X					X				X			X			
LNAPL Investigation																						
385-CAA4C-011A	CAA4C-DGS-PZ01	CAA4C-DGS-PZ01-GW-5	Water	4/22/02			X															X
EBS Parcel 98 Pesticide Investigation																						
385-EBS98-001	EBS98-DGS-PZ01	EBS98-DGS-PZ01-GW-10	Water	5/3/02	1400																X	
385-EBS98-002	EBS98-DGS-PZ02	EBS98-DGS-PZ02-GW	Water	5/3/02	1430																X	
385-EBS98-003	EBS98-DGS-PZ03	EBS98-DGS-PZ03-GW	Water	5/3/02	1500																X	

CN^-	Cyanide
Cr (VI)	Hexavalent Chromium
DGS	Data Gap Sample
ER	Equipment Rinsate
FB	Field Blank
FD	Field Duplicate
PCB	Polychlorinated Biphenyls
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes

SVOC	Semivolatile Organic Compoun	Field Parameters
TB	Trip Blank	Temperature
TO-14	VOCs in air	Conductivity
TPPH	Total Purgeable Petroleum Hydr	Dissolved Oxygen
TEPH	Total Extractable Petroleum Hy	Redox Potential
VOC	Volatile Organic Compounds	Turbidity
MTBE	Methyl Tert Butyl Ether	pH

Metals (X^1)
Cadmium

APPENDIX D
SITE-SPECIFIC DETECTED CHEMICAL DATA
(209 Pages)

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ALAMEDA CTO 385
SITE S03
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-051	LANDFILL GASES BY D1945	CARBON DIOXIDE	12.288 %		
ABS09		ETHANE	190.7 PPMV		
S03-DGS-SG03-SG-1.		I-BUTANE	5.4 PPMV		
1.50 - 0.00		I-PENTANE	3000.7 PPMV		
		METHANE	3.991 %		
		N-BUTANE	91.9 PPMV		
		N-PENTANE	32.1 PPMV		
		NITROGEN	81.42 %		
		NMOC (C6+)	4325.5 PPMV		
		OXYGEN	2.30 %		
		PROPANE	1.2 PPMV		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	12.288 %		
		ETHANE	190.7 PPMV		
		I-BUTANE	5.4 PPMV		
		I-PENTANE	3000.7 PPMV		
		METHANE	3.991 %		
		N-BUTANE	91.9 PPMV		
		N-PENTANE	32.1 PPMV		
		NITROGEN	81.42 %		
		NMOC (C6+)	4325.5 PPMV		
		OXYGEN	2.30 %		
		PROPANE	1.2 PPMV		
	VOCS BY TO14	-	-	-	-
385-S03-052	LANDFILL GASES BY D1945	CARBON DIOXIDE	13.172 %		
ABS09		ETHANE	473.0 PPMV		
S03-DGS-SG03-SG-4		I-PENTANE	13374.2 PPMV		
4.00 - 0.00		METHANE	6.386 %		
		N-BUTANE	591.3 PPMV		
		N-PENTANE	755.5 PPMV		
		NITROGEN	78.96 %		
		NMOC (C6+)	5239.7 PPMV		
		OXYGEN	1.48 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	13.172 %		
		ETHANE	473.0 PPMV		
		I-PENTANE	13374.2 PPMV		
		METHANE	6.386 %		
		N-BUTANE	591.3 PPMV		
		N-PENTANE	755.5 PPMV		
		NITROGEN	78.96 %		
		NMOC (C6+)	5239.7 PPMV		
		OXYGEN	1.48 %		
	VOCS BY TO14	BENZENE	66762.40 UG/M3		
		TOLUENE	1885.19 UG/M3		
385-S03-053	LANDFILL GASES BY D1945	CARBON DIOXIDE	13.158 %		
ABS09		ETHANE	469.0 PPMV		
S03-DGS-SG03-SG-5.		I-PENTANE	14828.2 PPMV		
5.30 - 0.00		METHANE	6.593 %		
		N-BUTANE	665.5 PPMV		
		N-PENTANE	873.7 PPMV		
		NITROGEN	78.67 %		
		NMOC (C6+)	6795.3 PPMV		
		OXYGEN	1.57 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	13.158 %		
		ETHANE	469.0 PPMV		
		I-PENTANE	14828.2 PPMV		
		METHANE	6.593 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-053	LANDFILL GASES BY D1945H	N-BUTANE	665.5 PPMV		
ABS09		N-PENTANE	873.7 PPMV		
S03-DGS-SG03-SG-5.		NITROGEN	78.67 %		
5.30 - 0.00		NMOC (C6+)	6795.3 PPMV		
		OXYGEN	1.57 %		
	VOCS BY TO14	BENZENE	91725.76 UG/M3		
		ETHYLBENZENE	1820.61 UG/M3		
		M & P-XYLENE	1713.93 UG/M3		
		TOLUENE	16354.05 UG/M3		
385-S03-056	LANDFILL GASES BY D1945	CARBON DIOXIDE	16.492 %		
ABS10		ETHANE	204.1 PPMV		
S03-DGS-SG06-SG-1.		I-BUTANE	51.7 PPMV		
1.50 - 0.00		I-PENTANE	18473.0 PPMV		
		METHANE	30.238 %		
		N-BUTANE	1614.2 PPMV		
		N-PENTANE	386.0 PPMV		
		NITROGEN	48.68 %		
		NMOC (C6+)	283.8 PPMV		
		OXYGEN	4.59 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	16.492 %		
		ETHANE	204.1 PPMV		
		I-BUTANE	51.7 PPMV		
		I-PENTANE	18473.0 PPMV		
		METHANE	30.238 %		
		N-BUTANE	1614.2 PPMV		
		N-PENTANE	386.0 PPMV		
		NITROGEN	48.68 %		
		NMOC (C6+)	283.8 PPMV		
		OXYGEN	4.59 %		
	VOCS BY TO14	BENZENE	89453.42 UG/M3		
385-S03-057	LANDFILL GASES BY D1945	CARBON DIOXIDE	19.438 %		
`BS10		ETHANE	238.3 PPMV		
03-DGS-SG06-SG-4		I-BUTANE	67.9 PPMV		
4.00 - 0.00		I-PENTANE	27143.7 PPMV		
		METHANE	35.027 %		
		N-BUTANE	2506.3 PPMV		
		N-PENTANE	588.0 PPMV		
		NITROGEN	43.13 %		
		NMOC (C6+)	1112.2 PPMV		
		OXYGEN	2.40 %		
		PROPANE	1.3 PPMV		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	19.438 %		
		ETHANE	238.3 PPMV		
		I-BUTANE	67.9 PPMV		
		I-PENTANE	27143.7 PPMV		
		METHANE	35.027 %		
		N-BUTANE	2506.3 PPMV		
		N-PENTANE	588.0 PPMV		
		NITROGEN	43.13 %		
		NMOC (C6+)	1112.2 PPMV		
		OXYGEN	2.40 %		
		PROPANE	1.3 PPMV		
	VOCS BY TO14	BENZENE	203538.23 UG/M3		
385-S03-058	LANDFILL GASES BY D1945	CARBON DIOXIDE	17.964 %		
ABS10		ETHANE	158.8 PPMV		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-058	LANDFILL GASES BY D1945H	I-BUTANE	126.1 PPMV		
ABS10		I-PENTANE	48491.0 PPMV		
S03-DGS-SG06-SG-5.		METHANE	33.256 %		
5.50 - 0.00		N-BUTANE	6375.3 PPMV		
		N-PENTANE	33.7 PPMV		
		NITROGEN	43.20 %		
		NMOC (C6+)	1422.2 PPMV		
		OXYGEN	5.58 %		
		PROPANE	2.1 PPMV		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	17.964 %		
		ETHANE	158.8 PPMV		
		I-BUTANE	126.1 PPMV		
		I-PENTANE	48491.0 PPMV		
		METHANE	33.256 %		
		N-BUTANE	6375.3 PPMV		
		N-PENTANE	33.7 PPMV		
		NITROGEN	43.20 %		
		NMOC (C6+)	1422.2 PPMV		
		OXYGEN	5.58 %		
		PROPANE	2.1 PPMV		
	VOCS BY TO14	BENZENE	212642.38 UG/M3		
385-S03-061	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.101 %		
ABS09		I-PENTANE	338.9 PPMV		
S03-DGS-SG09-SG-1.		N-BUTANE	7.2 PPMV		
1.50 - 0.00		N-PENTANE	26.8 PPMV		
		NITROGEN	77.83 %		
		NMOC (C6+)	2920.0 PPMV		
		OXYGEN	20.07 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.101 %		
		I-PENTANE	338.9 PPMV		
		N-BUTANE	7.2 PPMV		
		N-PENTANE	26.8 PPMV		
		NITROGEN	77.83 %		
		NMOC (C6+)	2920.0 PPMV		
		OXYGEN	20.07 %		
	VOCS BY TO14	BENZENE	13203.93 UG/M3		
		ETHYLBENZENE	1188.14 UG/M3		
		TOLUENE	7603.37 UG/M3		
385-S03-062	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.239 %		
ABS09		I-PENTANE	79.9 PPMV		
S03-DGS-SG09-SG-3.		N-PENTANE	4.6 PPMV		
3.50 - 0.00		NITROGEN	77.75 %		
		NMOC (C6+)	1618.1 PPMV		
		OXYGEN	20.02 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.239 %		
		I-PENTANE	79.9 PPMV		
		N-PENTANE	4.6 PPMV		
		NITROGEN	77.75 %		
		NMOC (C6+)	1618.1 PPMV		
		OXYGEN	20.02 %		
	VOCS BY TO14	BENZENE	3220.01 UG/M3		
		TOLUENE	3885.01 UG/M3		
385-S03-066	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.217 %		
ABS10		I-PENTANE	16.2 PPMV		
S03-DGS-SG12-SG-0.		NITROGEN	78.08 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-066	LANDFILL GASES BY D1945H	NMOC (C6+)	137.9 PPMV		
ABS10		OXYGEN	20.70 %		
S03-DGS-SG12-SG-0.	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.217 %		
0.50 - 1.50		I-PENTANE	16.2 PPMV		
		NITROGEN	78.08 %		
		NMOC (C6+)	137.9 PPMV		
		OXYGEN	20.70 %		
	VOCS BY TO14	BENZENE	37.21 UG/M3	J	a
		ETHYLBENZENE	62.54 UG/M3	J	a
		M & P-XYLENE	99.04 UG/M3	J	a
		TOLUENE	216.12 UG/M3	J	a
385-S03-067	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.427 %		
ABS10		ETHANE	1.7 PPMV		
S03-DGS-SG12-SG-0.		I-PENTANE	14.1 PPMV		
0.50 - 3.00		NITROGEN	78.08 %		
		NMOC (C6+)	89.8 PPMV		
		OXYGEN	20.49 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.427 %		
		ETHANE	1.7 PPMV		
		I-PENTANE	14.1 PPMV		
		NITROGEN	78.08 %		
		NMOC (C6+)	89.8 PPMV		
		OXYGEN	20.49 %		
	VOCS BY TO14	-	-	-	-
385-S03-103	LANDFILL GASES BY D1945	CARBON DIOXIDE	13.915 %		
ABS11		ETHANE	26.7 PPMV		
S03-DGS-SG14-SG-1.		I-BUTANE	8.8 PPMV		
1.50 - 0.00		I-PENTANE	3.1 PPMV		
		METHANE	4.155 %		
		N-BUTANE	14.5 PPMV		
		N-PENTANE	4.4 PPMV		
		NITROGEN	80.14 %		
		NMOC (C6+)	8137.0 PPMV		
		OXYGEN	1.79 %		
		PROPANE	4.1 PPMV		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	13.915 %		
		ETHANE	26.7 PPMV		
		I-BUTANE	8.8 PPMV		
		I-PENTANE	3.1 PPMV		
		METHANE	4.155 %		
		N-BUTANE	14.5 PPMV		
		N-PENTANE	4.4 PPMV		
		NITROGEN	80.14 %		
		NMOC (C6+)	8137.0 PPMV		
		OXYGEN	1.79 %		
		PROPANE	4.1 PPMV		
	VOCS BY TO14	M & P-XYLENE	2033.65 UG/M3		
385-S03-104	LANDFILL GASES BY D1945	CARBON DIOXIDE	6.829 %		
ABS11		ETHANE	12.3 PPMV		
S03-DGS-SG14-SG-5		METHANE	2.232 %		
5.00 - 7.00		NITROGEN	78.10 %		
		NMOC (C6+)	5863.6 PPMV		
		OXYGEN	12.84 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	6.829 %		
		ETHANE	12.3 PPMV		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-104	LANDFILL GASES BY D1945	METHANE	2.232 %		
ABS11		NITROGEN	78.10 %		
S03-DGS-SG14-SG-5		NMOC (C6+)	5863.6 PPMV		
5.00 - 7.00		OXYGEN	12.84 %		
	VOCS BY TO14	BENZENE	1246.43 UG/M3		
		ETHYLBENZENE	2857.88 UG/M3		
		M & P-XYLENE	2763.82 UG/M3		
385-S03-106	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.294 %		
ABS11		NITROGEN	77.66 %		
S03-DGS-SG16-SG-1.		NMOC (C6+)	178.9 PPMV		
1.50 - 0.00		OXYGEN	20.04 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.294 %		
		NITROGEN	77.66 %		
		NMOC (C6+)	178.9 PPMV		
		OXYGEN	20.04 %		
	VOCS BY TO14	BENZENE	29.75 UG/M3		
		ETHYLBENZENE	126.16 UG/M3		
		M & P-XYLENE	131.27 UG/M3		
		TOLUENE	138.38 UG/M3		
385-S03-107	LANDFILL GASES BY D1945	CARBON DIOXIDE	5.405 %		
ABS11		NITROGEN	78.75 %		
S03-DGS-SG16-SG-4		NMOC (C6+)	152.7 PPMV		
4.00 - 0.00		OXYGEN	15.85 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	5.405 %		
		NITROGEN	78.75 %		
		NMOC (C6+)	152.7 PPMV		
		OXYGEN	15.85 %		
	VOCS BY TO14	ETHYLBENZENE	60.12 UG/M3		
		M & P-XYLENE	148.04 UG/M3		
		TOLUENE	202.07 UG/M3		
'85-S03-958	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.175 %		
3S09		I-PENTANE	51.4 PPMV		
303-DGS-SG09-SG-3.		N-PENTANE	2.2 PPMV		
3.50 - 0.00		NITROGEN	77.67 %		
		NMOC (C6+)	1165.8 PPMV		
		OXYGEN	20.16 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.175 %		
		I-PENTANE	51.4 PPMV		
		N-PENTANE	2.2 PPMV		
		NITROGEN	77.67 %		
		NMOC (C6+)	1165.8 PPMV		
		OXYGEN	20.16 %		
	VOCS BY TO14	BENZENE	1441.08 UG/M3		
		ETHYLBENZENE	675.76 UG/M3		
		M & P-XYLENE	622.27 UG/M3		
		TOLUENE	2507.68 UG/M3		
		TRICHLOROETHENE	1348.18 UG/M3		
385-S03-959	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.920 %		
ABS10		I-PENTANE	13.1 PPMV		
S03-DGS-SG12-SG-0.		NITROGEN	78.18 %		
0.50 - 3.00		NMOC (C6+)	75.4 PPMV		
		OXYGEN	19.90 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.920 %		
		I-PENTANE	13.1 PPMV		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-959	LANDFILL GASES BY D1945	NITROGEN	78.18 %		
ABS10		NMOC (C6+)	75.4 PPMV		
S03-DGS-SG12-SG-0.		OXYGEN	19.90 %		
0.50 - 3.00	VOCS BY TO14	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-001	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	100 MG/KG		
S03-DGS-DP01-SO-5	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	2900 UG/KG	J	z
5.00 - 5.50					
385-S03-003	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	67 MG/KG		
S03-DGS-DP02-SO-5.	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1300 UG/KG	J	y
5.50 - 6.00					
385-S03-005	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	14 MG/KG		
S03-DGS-DP03-SO-5	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	8300 UG/KG	J	z
5.00 - 5.50					
385-S03-007	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	40 MG/KG		
S03-DGS-DP04-SO-4		MOTOR OIL RANGE ORGANICS	33 MG/KG		
4.00 - 4.50	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	530 UG/KG	J	y
385-S03-009	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	50 MG/KG		
S03-DGS-DP05-SO-4.	TPH PURGEABLES (GASOLINE)	-	-	-	-
4.50 - 5.00					
385-S03-009A	CLP VOA	-	-	-	-
ADP32	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	1800 MG/KG	M	
S03-DGS-DP05-SO-5	TPH PURGEABLES (GASOLINE)	-	-	-	-
5.00 - 0.00	PERCENT MOISTURE	PERCENT MOISTURE	6.0 %MST		
385-S03-011	METALS (TOTAL)	LEAD	9.4 MG/KG	J	c
ADP02	ORGANIC LEAD	-	-	-	-
S03-DGS-DP06-SO-0.	PERCENT MOISTURE	PERCENT MOISTURE	3.3 %MST		
.50 - 1.00					
385-S03-012	METALS (TOTAL)	LEAD	5.7 MG/KG	J	c
ADP02	ORGANIC LEAD	-	-	-	-
S03-DGS-DP06-SO-2.	PERCENT MOISTURE	PERCENT MOISTURE	6.0 %MST		
2.50 - 3.00					
385-S03-013	METALS (TOTAL)	LEAD	7.7 MG/KG	J	c
ADP02	ORGANIC LEAD	-	-	-	-
S03-DGS-DP06-SO-4.	PERCENT MOISTURE	PERCENT MOISTURE	20.7 %MST		
4.50 - 5.00					
385-S03-015	METALS (TOTAL)	LEAD	12.9 MG/KG	J	c
ADP02	ORGANIC LEAD	-	-	-	-
S03-DGS-DP07-SO-0.	PERCENT MOISTURE	PERCENT MOISTURE	6.8 %MST		
0.50 - 1.00					
385-S03-016	METALS (TOTAL)	LEAD	81.4 MG/KG	J	c
ADP02	ORGANIC LEAD	-	-	-	-
S03-DGS-DP07-SO-2.	PERCENT MOISTURE	PERCENT MOISTURE	20.4 %MST		
2.50 - 3.00					
385-S03-017	METALS (TOTAL)	LEAD	44.5 MG/KG	J	c
ADP02	ORGANIC LEAD	-	-	-	-
S03-DGS-DP07-SO-4.	PERCENT MOISTURE	PERCENT MOISTURE	40.8 %MST		
4.50 - 5.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-019 ADP02 S03-DGS-DP08-SO-0. 0.50 - 1.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	- - PERCENT MOISTURE	- - 4.5 %MST	- -	- -
385-S03-020 ADP02 S03-DGS-DP08-SO-2. 2.50 - 3.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.3 MG/KG - 20.6 %MST	J -	c -
385-S03-021 ADP02 S03-DGS-DP08-SO-4. 4.50 - 5.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	- - PERCENT MOISTURE	- - 14.8 %MST	- -	- -
385-S03-023 ADP02 S03-DGS-DP09-SO-0. 0.50 - 1.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	49.1 MG/KG - 3.8 %MST	J -	c -
385-S03-024 ADP02 S03-DGS-DP09-SO-3. 3.50 - 4.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	49.7 MG/KG - 4.6 %MST	J -	c -
385-S03-025 ADP02 S03-DGS-DP09-SO-5. 5.50 - 6.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	955 MG/KG - 24.6 %MST	J -	c -
385-S03-027 ADP02 S03-DGS-DP10-SO-0. 0.50 - 1.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	80.3 MG/KG - 9.0 %MST	J -	c -
385-S03-028 ADP02 S03-DGS-DP10-SO-3. 3.50 - 4.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	446 MG/KG - 19.2 %MST	J -	c -
385-S03-029 ADP02 S03-DGS-DP10-SO-5. 5.50 - 6.00	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	35.4 MG/KG - 26.0 %MST	J -	c -
385-S03-030 ADP03 S03-DGS-DP11-SO-1 1.00 - 1.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	42.3 MG/KG - 5.9 %MST	J -	c -
385-S03-031 ADP03 S03-DGS-DP11-SO-4 4.00 - 4.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	56.0 MG/KG - 14.0 %MST	J -	c -
385-S03-032 ADP03 S03-DGS-DP11-SO-6 6.00 - 6.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	1330 MG/KG - 24.4 %MST	J -	c -

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-033 ADP03 S03-DGS-DP12-SO-1 1.00 - 1.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	- - PERCENT MOISTURE	- - 17.5 %MST	- -	- -
385-S03-034 ADP03 S03-DGS-DP12-SO-4 4.00 - 4.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	4.0 MG/KG - 17.3 %MST	J -	c -
385-S03-037 ADP03 S03-DGS-DP13-SO-1 1.00 - 1.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	17.4 MG/KG - 11.9 %MST	J -	c -
385-S03-038 ADP03 S03-DGS-DP13-SO-4 4.00 - 4.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD - PERCENT MOISTURE	1300 MG/KG - 22.1 %MST	J -	c -
385-S03-039 ADP03 S03-DGS-DP13-SO-6 6.00 - 6.50	METALS (TOTAL) ORGANIC LEAD PERCENT MOISTURE	LEAD ORGANIC LEAD PERCENT MOISTURE	1780 MG/KG 3.2 MG/KG 32.7 %MST	J	c
385-S03-069 ADP40 S03-DGS-DP14-SO-1 1.00 - 1.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	12.0 MG/KG 7.5 %MST	J	c
385-S03-070 ADP40 S03-DGS-DP14-SO-4 .00 - 4.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	13.5 MG/KG 8.0 %MST	J	c
385-S03-071 ADP40 S03-DGS-DP14-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	1030 MG/KG 22.2 %MST	J	c
385-S03-073 ADP40 S03-DGS-DP15-SO-1 1.00 - 1.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	511 MG/KG 20.9 %MST	J	c
385-S03-074 ADP40 S03-DGS-DP15-SO-4 4.00 - 4.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	3870 MG/KG 42.8 %MST	J	c
385-S03-075 ADP40 S03-DGS-DP15-SO-6 6.00 - 6.40	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	13700 MG/KG 36.7 %MST	J	c
385-S03-076 ADP39 S03-DGS-DP16-SO-1 1.00 - 1.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	229 MG/KG 33.9 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-077 ADP39 S03-DGS-DP16-SO-4 4.00 - 4.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	137 MG/KG 33.5 %MST		
385-S03-078 ADP39 S03-DGS-DP16-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	705 MG/KG 29.5 %MST		
385-S03-079 ADP39 S03-DGS-DP17-SO-1 1.00 - 1.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	2.9 MG/KG 33.6 %MST		
385-S03-080 ADP39 S03-DGS-DP17-SO-4 4.00 - 4.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	52.3 MG/KG 37.0 %MST		
385-S03-081 ADP39 S03-DGS-DP17-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	40.6 MG/KG 32.1 %MST		
385-S03-082 ADP39 S03-DGS-DP18-SO-4 4.00 - 4.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	29.8 MG/KG 31.1 %MST		
385-S03-083 ADP39 S03-DGS-DP18-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	85.3 MG/KG 34.5 %MST		
385-S03-084 ADP40 S03-DGS-DP19-SO-4 4.00 - 4.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	12.5 MG/KG 11.7 %MST	J	c
385-S03-085 ADP40 S03-DGS-DP19-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	61.8 MG/KG 41.0 %MST	J	c
385-S03-112 ADP67 S03-DGS-DP33-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	24.0 MG/KG 8.5 %MST		
385-S03-113 ADP67 S03-DGS-DP33-SO-3. 3.50 - 4.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	17.1 MG/KG 45.9 %MST		
385-S03-114 ADP67 S03-DGS-DP33-SO-5. 5.50 - 6.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	198 MG/KG 37.2 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-116 ADP67 S03-DGS-DP31-SO-3. 3.50 - 4.00	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 4.6 %MST	-	-
385-S03-117 ADP67 S03-DGS-DP31-SO-5. 5.50 - 6.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	20.6 MG/KG 20.9 %MST		
385-S03-119 ADP67 S03-DGS-DP34-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	47.6 MG/KG 10.0 %MST		
385-S03-120 ADP67 S03-DGS-DP34-SO-3. 3.50 - 4.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	8.6 MG/KG 18.9 %MST		
385-S03-121 ADP67 S03-DGS-DP34-SO-5. 5.50 - 6.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	1480 MG/KG 34.6 %MST		
385-S03-123 ADP67 S03-DGS-DP35-SO-5. 5.50 - 6.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	13.7 MG/KG 36.3 %MST		
385-S03-125 ADP67 S03-DGS-DP32-SO-3. .50 - 4.00	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 24.9 %MST	-	-
385-S03-126 ADP67 S03-DGS-DP32-SO-5. 5.50 - 6.00	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	195 MG/KG 36.4 %MST		
385-S03-128 ADP76 S03-DGS-DP36-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	11.0 MG/KG 20.4 %MST		
385-S03-130 ADP76 S03-DGS-DP37-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD PERCENT MOISTURE	533 MG/KG 40.5 %MST		
385-S03-132 ADP78 S03-DGS-DP38-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD MOISTURE	18.6 MG/KG 16.0 %MST		
385-S03-134 ADP78 S03-DGS-DP39-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD MOISTURE	14.8 MG/KG 40.3 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-136 ADP78 S03-DGS-DP40-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	LEAD MOISTURE	15.9 MG/KG 35.9 %MST		
385-S03-138 ADP78 S03-DGS-DP38-SO-5. 5.50 - 6.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS MOISTURE	50 MG/KG 17.5 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-002 AAL02 S03-DGS-DP01-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S03-004 AAL02 S03-DGS-DP02-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S03-006 AAL02 S03-DGS-DP03-GW-5 5.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - GASOLINE RANGE ORGANICS	- - 770 UG/L	- - J	- - z
385-S03-008 AAL02 S03-DGS-DP04-GW-4 4.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S03-010 AAL02 S03-DGS-DP05-GW-10 10.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S03-010A ADP32 S03-DGS-DP05-GW-10 10.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	CARBON DISULFIDE TOLUENE DIESEL RANGE ORGANICS -	0.5 UG/L 0.4 UG/L 0.76 MG/L -	J J D -	a,g a,g -
385-S03-018 ADP02 S03-DGS-DP07-GW-5 .00 - 5.50	METALS (TOTAL) ORGANIC LEAD	- -	- -	- -	- -
385-S03-026 ADP02 S03-DGS-DP09-GW-4. 4.50 - 5.00	METALS (TOTAL) ORGANIC LEAD	LEAD -	133 UG/L -	 -	 -
385-S03-036 ADP03 S03-DGS-DP12-GW-6 6.00 - 6.50	METALS (TOTAL) ORGANIC LEAD	LEAD -	4.2 UG/L -	 -	 -
385-S03-040 ADP14 S03-DGS-MW97-1-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - DIESEL RANGE ORGANICS - BENZ(A)ANTHRACENE FLUORANTHENE PYRENE	- - 0.41 MG/L - 0.1 UG/L 0.3 UG/L 0.42 UG/L	- - D - J	- - - g
385-S03-041 ADP14 S03-DGS-MW97-2-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - DIESEL RANGE ORGANICS - PYRENE	- - 0.72 MG/L - 0.2 UG/L	- - D - J	- - - g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-042	CLP VOA	-	-	-	-
ADP14	SVOA	-	-	-	-
S03-DGS-MW97-3-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	BENZ(A)ANTHRACENE	0.1 UG/L	J	g
385-S03-043	CLP VOA	BENZENE	480 UG/L	J	a
ADP13		ETHYLBENZENE	110 UG/L	J	a
S03-DGS-M03-04-GW		XYLENE (TOTAL)	320 UG/L	J	a
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.36 MG/L	DM	
		JP-5	1.1 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	3.0 MG/L	G	
	PAH	ACENAPHTHYLENE	2 UG/L		
		BENZO(A)PYRENE	0.1 UG/L	J	g
		FLUORANTHENE	0.2 UG/L	J	g
		PYRENE	0.4 UG/L		
385-S03-044	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.4 UG/L	J	g
ADP13		BENZENE	7 UG/L		
S03-DGS-M03-05-GW		CARBON DISULFIDE	0.6 UG/L	J	g
0.00 - 0.00		ETHYLBENZENE	0.9 UG/L	J	g
		XYLENE (TOTAL)	2 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.23 MG/L	D	
		JP-5	0.35 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.09 MG/L	G	
	PAH	FLUORANTHENE	0.2 UG/L	J	g
		PYRENE	0.51 UG/L		
385-S03-045	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP13		1,1-DICHLOROETHENE	1 UG/L	J	g
S03-DGS-M03-06-GW		1,2-DICHLOROETHENE (TOTAL)	0.7 UG/L	J	g
0.00 - 0.00		CHLOROETHANE	14 UG/L		
		VINYL CHLORIDE	3 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.08 MG/L	J	g
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	FLUORANTHENE	0.1 UG/L	J	g
		PYRENE	0.2 UG/L	J	g
385-S03-046	CLP VOA	2-BUTANONE	3 UG/L	J	f
ADP16	SVOA	-	-	-	-
S03-DGS-M03-07-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.39 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S03-047	CLP VOA	1,1-DICHLOROETHANE	2 UG/L	J	g
ADP14	SVOA	-	-	-	-
S03-DGS-M03-08A-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.29 MG/L	D	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.3 UG/L		
385-S03-048	CLP VOA	-	-	-	-
ADP16	SVOA	-	-	-	-
S03-DGS-D03-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.12 MG/L	J	z
	PAH	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-072 ADP40 S03-DGS-DP14-GW-3. 3.50 - 5.00	METALS (TOTAL)	LEAD	210 UG/L		
385-S03-086 ADP40 S03-DGS-DP19-GW-4. 4.50 - 6.50	METALS (TOTAL)	LEAD	32.3 UG/L		
385-S03-087 AAL01 S03-DGS-DP20-GW-5 5.00 - 0.00	VOA 8260	BENZENE	1400 UG/L		
		CHLOROBENZENE	1.2 UG/L		
		CHLOROMETHANE	13 UG/L		
		CIS-1,2-DICHLOROETHENE	22 UG/L		
		ETHYLBENZENE	72 UG/L		
		NAPHTHALENE	3.3 UG/L		
		TOLUENE	3.2 UG/L		
		VINYL CHLORIDE	1.7 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	6500 UG/L	J	z
385-S03-088 AAL01 S03-DGS-DP03-GW-10 10.00 - 0.00	VOA 8260	BENZENE	680 UG/L		
		CHLOROMETHANE	3.9 UG/L		
		ETHYLBENZENE	1.9 UG/L		
		M,P-XYLENES	4.2 UG/L		
		O-XYLENE	2.1 UG/L		
		TOLUENE	12 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	190 UG/L	J	h,z
385-S03-089 AAL01 S03-DGS-DP20-GW-10 10.00 - 12.00	VOA 8260	1,1-DICHLOROETHENE	1 UG/L		
		1,2-DICHLOROETHANE	11 UG/L		
		BENZENE	760 UG/L		
		CHLOROMETHANE	5.3 UG/L		
		CIS-1,2-DICHLOROETHENE	2.5 UG/L		
		ETHYLBENZENE	1.9 UG/L		
		M,P-XYLENES	2.7 UG/L		
		NAPHTHALENE	6.8 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	680 UG/L	J	z
385-S03-090 AAL01 S03-DGS-DP21-GW-5 5.00 - 7.00	VOA 8260	1,2-DICHLOROETHANE	1.8 UG/L		
		BENZENE	42 UG/L		
		CHLOROETHANE	1.6 UG/L		
		ETHYLBENZENE	120 UG/L		
		M,P-XYLENES	380 UG/L		
		NAPHTHALENE	1.9 UG/L		
		O-XYLENE	110 UG/L		
		TOLUENE	2.5 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	14000 UG/L		
385-S03-091 AAL01 S03-DGS-DP21-GW-10 10.00 - 12.00	VOA 8260	M,P-XYLENES	3.7 UG/L		
		O-XYLENE	1.2 UG/L		
		TOLUENE	2.3 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	130 UG/L		
385-S03-092 AAL01 S03-DGS-DP22-GW-5 5.00 - 7.00	VOA 8260	BENZENE	4600 UG/L		
		ETHYLBENZENE	2400 UG/L		
		M,P-XYLENES	9600 UG/L		
		O-XYLENE	2200 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	300000 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-093	VOA 8260	BENZENE	70 UG/L	J	h
AAL01		ETHYLBENZENE	1.9 UG/L	J	h
S03-DGS-DP22-GW-10		M,P-XYLENES	6.3 UG/L	J	h
10.00 - 12.00		NAPHTHALENE	1.3 UG/L		
		O-XYLENE	3.1 UG/L		
		TOLUENE	2.1 UG/L	J	h
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	500 UG/L	J	h,y
385-S03-094	VOA 8260	1,1,2-TRICHLOROETHANE	8 UG/L		
AAL01		1,2-DICHLOROETHANE	18 UG/L		
S03-DGS-DP23-GW-5		BENZENE	3200 UG/L		
5.00 - 7.00		CIS-1,2-DICHLOROETHENE	1.5 UG/L		
		ETHYLBENZENE	27 UG/L		
		M,P-XYLENES	25 UG/L		
		NAPHTHALENE	5.3 UG/L		
		O-XYLENE	2.6 UG/L		
		TOLUENE	3.9 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	6900 UG/L		
385-S03-095	VOA 8260	1,2-DICHLOROETHANE	1.4 UG/L		
AAL01		BENZENE	37 UG/L		
S03-DGS-DP23-GW-10		CIS-1,2-DICHLOROETHENE	100 UG/L		
10.00 - 12.00		ETHYLBENZENE	1.2 UG/L		
		M,P-XYLENES	2.6 UG/L		
		TOLUENE	2.2 UG/L		
		VINYL CHLORIDE	4 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	740 UG/L		
385-S03-096	VOA 8260	BENZENE	10 UG/L		
AAL01		ETHYLBENZENE	1.7 UG/L		
S03-DGS-DP24-GW-5		M,P-XYLENES	2.7 UG/L		
5.00 - 7.00		NAPHTHALENE	7.4 UG/L		
		O-XYLENE	1.1 UG/L		
		TOLUENE	3.5 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	42000 UG/L	J	y
385-S03-097	VOA 8260	M,P-XYLENES	1.4 UG/L		
AAL01		TOLUENE	3.1 UG/L		
S03-DGS-DP24-GW-12	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	150 UG/L	J	z
12.00 - 14.00					
385-S03-098	VOA 8260	BENZENE	550 UG/L		
AAL01		CHLOROBENZENE	560 UG/L		
S03-DGS-DP24-GW-5		ETHYLBENZENE	390 UG/L		
5.00 - 7.00		M,P-XYLENES	1200 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1000000 UG/L	J	y
385-S03-099	VOA 8260	BENZENE	9.3 UG/L		
AAL01		ETHYLBENZENE	2 UG/L		
S03-DGS-DP25-GW-12		M,P-XYLENES	7.7 UG/L		
12.00 - 14.00		TOLUENE	3 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1500 UG/L	J	y
385-S03-100	VOA 8260	BENZENE	41 UG/L		
AAL01		ETHYLBENZENE	1.1 UG/L		
S03-DGS-DP26-GW-8		TOLUENE	2.2 UG/L		
8.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	2900 UG/L	J	z
385-S03-101	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-101 AAL01 S03-DGS-DP26-GW-14 14.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	66 UG/L	J	z
385-S03-109 ADP61 S03-DGS-DP28-GW-5 5.00 - 0.00	CLP VOA	2-BUTANONE	3 UG/L	J	a,f
		ETHYLBENZENE	1 UG/L	J	a,g
		TOLUENE	2 UG/L	J	a,g
		XYLENE (TOTAL)	1 UG/L	J	a,g
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1.91 MG/L		
385-S03-110 ADP61 S03-DGS-DP29-GW-5 5.00 - 7.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.8 UG/L	J	g
		2-BUTANONE	0.7 UG/L	J	f,g
		TOLUENE	1 UG/L	J	g
		XYLENE (TOTAL)	0.6 UG/L	J	g
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.06 MG/L		
385-S03-111 ADP61 S03-DGS-DP30-GW-5 5.00 - 7.00	CLP VOA	ETHYLBENZENE	3 UG/L		
		TOLUENE	1 UG/L	J	g
		XYLENE (TOTAL)	1 UG/L	J	g
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.99 MG/L		
385-S03-115 ADP67 S03-DGS-DP33-GW-6. 6.50 - 7.00	METALS (DISSOLVED)	-	-	-	-
385-S03-118 ADP67 S03-DGS-DP31-GW-6. 6.50 - 7.00	METALS (DISSOLVED)	LEAD	179 UG/L		
385-S03-122 DP67 03-DGS-DP34-GW-6. 6.50 - 7.00	METALS (DISSOLVED)	-	-	-	-
385-S03-124 ADP67 S03-DGS-DP35-GW-5. 5.50 - 6.00	METALS (DISSOLVED)	-	-	-	-
385-S03-127 ADP67 S03-DGS-DP32-GW-7. 7.50 - 8.00	METALS (DISSOLVED)	-	-	-	-
385-S03-129 ADP76 S03-DGS-DP36-GW-6. 6.50 - 0.00	METALS (DISSOLVED)	-	-	-	-
385-S03-131 ADP76 S03-DGS-DP37-GW-6. 6.50 - 0.00	METALS (DISSOLVED)	LEAD	87.0 UG/L		
385-S03-133	METALS (TOTAL)	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
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d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-133 ADP78 S03-DGS-DP38-GW-6 6.00 - 0.00	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.33 MG/L		
385-S03-135 ADP78 S03-DGS-DP39-GW-6 6.00 - 0.00	METALS (TOTAL)	-	-	-	-
385-S03-137 ADP78 S03-DGS-DP40-GW-6 6.00 - 0.00	METALS (TOTAL)	LEAD	1.9 UG/L	J	g
385-S03-139 ADP86 S03-DGS-DP17-GW-6 6.00 - 0.00	METALS (TOTAL)	LEAD	207 UG/L		
385-S03-140 ADP86 S03-DGS-DP18-GW-6 6.00 - 0.00	METALS (TOTAL)	-	-	-	-
385-S03-141 ADP86 S03-DGS-DP41-GW-6 6.00 - 0.00	METALS (TOTAL)	-	-	-	-
385-S03-143 ADP94 S03-DGS-DP16-GW-6 .00 - 8.00	METALS (TOTAL)	LEAD	67.5 UG/L		
385-S03-901 ADP61 S03-DGS-DP29-GW-5D 5.00 - 7.00	CLP VOA TPH PURGEABLES (GASOLINE)	1,2-DICHLOROETHENE (TOTAL) TOLUENE XYLENE (TOTAL) GASOLINE RANGE ORGANICS	0.9 UG/L 0.9 UG/L 0.6 UG/L 0.04 MG/L	J J J J	g g g g
385-S03-902 ADP67 S03-DGS-DP35-GW-3D 5.50 - 6.00	METALS (DISSOLVED)	-	-	-	-
385-S03-904 ADP16 S03-DGS-ER-1 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	2-BUTANONE BROMODICHLOROMETHANE CARBON DISULFIDE CHLOROFORM DIBROMOCHLOROMETHANE - DIESEL RANGE ORGANICS - -	0.3 UG/L 2 UG/L 0.3 UG/L 5 UG/L 0.7 UG/L - 0.08 MG/L - -	J J J J - J - -	f,g g g g - g - -
385-S03-905 ADP39 S03-DGS-ER-2	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	2 UG/L 6 UG/L 0.9 UG/L	 J	 g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S03 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S03-905 ADP39 S03-DGS-ER-2 0.00 - 0.00	METALS (TOTAL) TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) HEXAVALENT CHROMIUM	- - - -	- - - -	- - - -	- - - -
385-S03-906 ADP14 S03-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S03-907 ADP16 S03-DGS-TB-2 0.00 - 0.00	CLP VOA	-	-	-	-
385-S03-908 AAL01 S03-DGS-ER-3 0.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S03-909 AAL01 S03-DGS-ER-4 0.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S03-910 AAL01 S03-DGS-ER-5 0.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S03-911 ADP67 S03-DGS-ER-6 0.00 - 0.00	METALS (DISSOLVED)	-	-	-	-
385-S03-912 ADP76 S03-DGS-ER-7 0.00 - 0.00	METALS (DISSOLVED)	LEAD	6.9 UG/L		
385-S03-913 ADP78 S03-DGS-DP40-GW-6D 6.00 - 0.00	METALS (TOTAL)	LEAD	4.7 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-144	LANDFILL GASES BY D1945	CARBON DIOXIDE	4.970 %		
ABS08		NITROGEN	79.49 %		
S04-DGS-SG03-SG-0.		OXYGEN	15.54 %		
0.67 - 1.50	LANDFILL GASES BY D1945H	CARBON DIOXIDE	4.970 %		
		NITROGEN	79.49 %		
		OXYGEN	15.54 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	113.49 UG/M3		
		BENZENE	43.20 UG/M3		
		CIS-1,2-DICHLOROETHENE	230.53 UG/M3		
		ETHYLBENZENE	146.89 UG/M3		
		M & P-XYLENE	760.50 UG/M3		
		O-XYLENE	158.08 UG/M3		
		TOLUENE	495.81 UG/M3		
		TRANS-1,2-DICHLOROETHENE	51.38 UG/M3	J	f
		TRICHLOROETHENE	1010.27 UG/M3		
385-S04-145	LANDFILL GASES BY D1945	CARBON DIOXIDE	9.369 %		
ABS08		NITROGEN	81.52 %		
S04-DGS-SG03-SG-0.		OXYGEN	9.12 %		
0.67 - 3.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	9.369 %		
		NITROGEN	81.52 %		
		OXYGEN	9.12 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	192.21 UG/M3		
		1,1-DICHLOROETHENE	33.18 UG/M3		
		BENZENE	34.68 UG/M3		
		CIS-1,2-DICHLOROETHENE	2433.55 UG/M3		
		ETHYLBENZENE	136.03 UG/M3		
		M & P-XYLENE	788.53 UG/M3		
		O-XYLENE	178.71 UG/M3		
		TOLUENE	637.87 UG/M3		
		TRANS-1,2-DICHLOROETHENE	197.53 UG/M3	J	f
		TRICHLOROETHENE	2375.64 UG/M3		
385-S04-149	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.044 %		
ABS08		NITROGEN	77.47 %		
S04-DGS-SG06-SG-0.		OXYGEN	22.49 %		
0.50 - 3.50	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.044 %		
		NITROGEN	77.47 %		
		OXYGEN	22.49 %		
	VOCS BY TO14	BENZENE	27.56 UG/M3		
		CIS-1,2-DICHLOROETHENE	31.48 UG/M3		
		ETHYLBENZENE	62.18 UG/M3		
		M & P-XYLENE	301.03 UG/M3		
		O-XYLENE	66.12 UG/M3		
		TOLUENE	633.38 UG/M3		
		TRICHLOROETHENE	86.18 UG/M3		
385-S04-150	LANDFILL GASES BY D1945	NITROGEN	77.45 %		
ABS08		OXYGEN	22.55 %		
S04-DGS-SG06-SG-0.	LANDFILL GASES BY D1945H	NITROGEN	77.45 %		
0.50 - 3.50		OXYGEN	22.55 %		
	VOCS BY TO14	BENZENE	2.25 UG/M3		
		CHLOROMETHANE	1.95 UG/M3		
		ETHYLBENZENE	3.22 UG/M3		
		M & P-XYLENE	16.72 UG/M3		
		O-XYLENE	5.56 UG/M3		
		TOLUENE	12.17 UG/M3		
385-S04-154	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.127 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-154	LANDFILL GASES BY D1945	NITROGEN	78.17 %		
ABS08		OXYGEN	20.70 %		
S04-DGS-SG09-SG-0.	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.127 %		
0.50 - 1.50		NITROGEN	78.17 %		
		OXYGEN	20.70 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	66.30 UG/M3		
		BENZENE	69.88 UG/M3		
		ETHYLBENZENE	247.17 UG/M3		
		M & P-XYLENE	1246.29 UG/M3		
		O-XYLENE	326.20 UG/M3		
		TOLUENE	1254.81 UG/M3		
		TRICHLOROETHENE	56.04 UG/M3		
385-S04-155	LANDFILL GASES BY D1945	NITROGEN	77.64 %		
ABS08		OXYGEN	22.36 %		
S04-DGS-SG09-SG-0.	LANDFILL GASES BY D1945H	NITROGEN	77.64 %		
0.50 - 3.00		OXYGEN	22.36 %		
	VOCS BY TO14	TOLUENE	19.46 UG/M3		
385-S04-159	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.267 %		
ABS09		NITROGEN	77.82 %		
S04-DGS-SG12-SG-1.		OXYGEN	21.92 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.267 %		
		NITROGEN	77.82 %		
		OXYGEN	21.92 %		
	VOCS BY TO14	ETHYLBENZENE	53.63 UG/M3		
		M & P-XYLENE	227.98 UG/M3		
		O-XYLENE	64.57 UG/M3		
		TOLUENE	195.58 UG/M3		
385-S04-160	LANDFILL GASES BY D1945	NITROGEN	77.69 %		
ABS09		OXYGEN	22.31 %		
S04-DGS-SG12-SG-3.	LANDFILL GASES BY D1945H	NITROGEN	77.69 %		
'.50 - 0.00		OXYGEN	22.31 %		
	VOCS BY TO14	M & P-XYLENE	42.92 UG/M3		
		TOLUENE	39.17 UG/M3		
385-S04-164	LANDFILL GASES BY D1945	NITROGEN	77.95 %		
ABS09		OXYGEN	22.05 %		
S04-DGS-SG15-SG-1.	LANDFILL GASES BY D1945H	NITROGEN	77.95 %		
1.50 - 0.00		OXYGEN	22.05 %		
	VOCS BY TO14	BENZENE	40.19 UG/M3		
		M & P-XYLENE	81.44 UG/M3		
		TOLUENE	319.56 UG/M3		
385-S04-165	LANDFILL GASES BY D1945	NITROGEN	79.09 %		
ABS09		OXYGEN	20.91 %		
S04-DGS-SG15-SG-4	LANDFILL GASES BY D1945H	NITROGEN	79.09 %		
4.00 - 0.00		OXYGEN	20.91 %		
	VOCS BY TO14	BENZENE	33.42 UG/M3		
		CHLOROMETHANE	29.45 UG/M3		
		M & P-XYLENE	97.30 UG/M3		
		TOLUENE	409.56 UG/M3		
385-S04-166	LANDFILL GASES BY D1945	NITROGEN	77.69 %		
ABS09		OXYGEN	22.31 %		
S04-DGS-SG15-SG-5.	LANDFILL GASES BY D1945H	NITROGEN	77.69 %		
5.50 - 0.00		OXYGEN	22.31 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-166	VOCS BY TO14	CHLOROMETHANE	1.79 UG/M3		
ABS09		ETHYLBENZENE	3.11 UG/M3		
S04-DGS-SG15-SG-5.		M & P-XYLENE	11.82 UG/M3		
5.50 - 0.00		O-XYLENE	3.15 UG/M3		
		TOLUENE	7.33 UG/M3		
385-S04-169	LANDFILL GASES BY D1945	CARBON DIOXIDE	3.927 %		
ABS09		NITROGEN	78.99 %		
S04-DGS-SG18-SG-1.		OXYGEN	17.08 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	3.927 %		
		NITROGEN	78.99 %		
		OXYGEN	17.08 %		
	VOCS BY TO14	TOLUENE	106.65 UG/M3		
385-S04-170	LANDFILL GASES BY D1945	CARBON DIOXIDE	5.455 %		
ABS09		NITROGEN	79.86 %		
S04-DGS-SG18-SG-4		OXYGEN	14.68 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	5.455 %		
		NITROGEN	79.86 %		
		OXYGEN	14.68 %		
	VOCS BY TO14	BENZENE	20.02 UG/M3	J	a
		TOLUENE	105.89 UG/M3	J	a
385-S04-172	LANDFILL GASES BY D1945	CARBON DIOXIDE	5.707 %		
ABS09		NITROGEN	84.81 %		
S04-DGS-SG18-SG-5.		OXYGEN	9.48 %		
5.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	5.707 %		
		NITROGEN	84.81 %		
		OXYGEN	9.48 %		
	VOCS BY TO14	-	-	-	-
385-S04-301	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.887 %		
ABS11		ETHANE	1.4 PPMV		
04-DGS-SG20-SG-1.		NITROGEN	77.38 %		
..50 - 0.00		OXYGEN	21.73 %		
		PROPANE	1.7 PPMV		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.887 %		
		ETHANE	1.4 PPMV		
		NITROGEN	77.38 %		
		OXYGEN	21.73 %		
		PROPANE	1.7 PPMV		
	VOCS BY TO14	TOLUENE	63.62 UG/M3		
385-S04-302	LANDFILL GASES BY D1945	CARBON DIOXIDE	14.773 %		
ABS11		I-BUTANE	4.0 PPMV		
S04-DGS-SG20-SG-4		I-PENTANE	1118.0 PPMV		
4.00 - 0.00		METHANE	82.556 %		
		N-BUTANE	62.7 PPMV		
		N-PENTANE	1.8 PPMV		
		NITROGEN	2.22 %		
		NMOC (C6+)	2017.0 PPMV		
		OXYGEN	0.45 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	14.773 %		
		I-BUTANE	4.0 PPMV		
		I-PENTANE	1118.0 PPMV		
		METHANE	82.556 %		
		N-BUTANE	62.7 PPMV		
		N-PENTANE	1.8 PPMV		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-302 ABS11 S04-DGS-SG20-SG-4 4.00 - 0.00	LANDFILL GASES BY D1945	NITROGEN	2.22 %		
		NMOC (C6+)	2017.0 PPMV		
		OXYGEN	0.45 %		
	VOCS BY TO14	BENZENE	132730.26 UG/M3		
		ETHYLBENZENE	51372.59 UG/M3		
		M & P-XYLENE	244802.52 UG/M3		
385-S04-956 ABS08 S04-DGS-SG06-SG-0. 0.50 - 3.50	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.044 %		
		NITROGEN	77.44 %		
		OXYGEN	22.52 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.044 %		
		NITROGEN	77.44 %		
		OXYGEN	22.52 %		
	VOCS BY TO14	BENZENE	1.75 UG/M3		
		CHLOROMETHANE	0.87 UG/M3		
		ETHYLBENZENE	3.89 UG/M3		
		M & P-XYLENE	22.90 UG/M3		
		O-XYLENE	7.29 UG/M3		
		TOLUENE	23.39 UG/M3		
385-S04-957 ABS09 S04-DGS-FB-3 0.00 - 0.00	LANDFILL GASES BY D1945	NITROGEN	77.47 %		
		OXYGEN	22.53 %		
	LANDFILL GASES BY D1945H	NITROGEN	77.47 %		
		OXYGEN	22.53 %		
	VOCS BY TO14	M & P-XYLENE	17.46 UG/M3		
		TOLUENE	15.67 UG/M3		

Validity (Qual) : J - Estimated concentration

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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-021	METALS (TOTAL)	CHROMIUM	118 MG/KG		
ADP88	HEXAVALENT CHROMIUM	CHROMIUM (VI)	1.1 MG/KG		
S04-DGS-DP06-SO-3	PH	PH	8.72	J	h
3.00 - 3.50	PERCENT MOISTURE	MOISTURE	15.1 %MST		
385-S04-022	METALS (TOTAL)	CHROMIUM	91.3 MG/KG		
ADP88	HEXAVALENT CHROMIUM	-	-	-	-
S04-DGS-DP06-SO-5	PH	PH	8.84	J	h
5.00 - 5.50	PERCENT MOISTURE	MOISTURE	16.8 %MST		
385-S04-057	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	19000 UG/KG	J	y
S04-DGS-DP15-SO-4.		MOTOR OIL RANGE ORGANICS	180000 UG/KG	J	y
4.50 - 5.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S04-057A	CLP VOA	-	-	-	-
ADP43	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	350 MG/KG	M	
S04-DGS-DP15-SO-4	TPH PURGEABLES (GASOLINE)	-	-	-	-
4.00 - 4.50	PERCENT MOISTURE	PERCENT MOISTURE	14.1 %MST		
385-S04-059	METALS (TOTAL)	-	-	-	-
ADP05	PH	PH	9.30		
S04-DGS-DP16-SO-1	PERCENT MOISTURE	PERCENT MOISTURE	3.7 %MST		
1.00 - 1.50					
385-S04-060	METALS (TOTAL)	-	-	-	-
ADP05	PH	PH	9.09		
S04-DGS-DP16-SO-3	PERCENT MOISTURE	PERCENT MOISTURE	4.6 %MST		
3.00 - 3.50					
385-S04-061	METALS (TOTAL)	-	-	-	-
ADP05	PH	PH	9.00		
S04-DGS-DP16-SO-4.	PERCENT MOISTURE	PERCENT MOISTURE	15.8 %MST		
4.50 - 5.00					
385-S04-063	METALS (TOTAL)	CHROMIUM	39.0 MG/KG		
ADP05	HEXAVALENT CHROMIUM	-	-	-	-
S04-DGS-DP17-SO-3	PH	PH	8.89		
3.00 - 3.50	PERCENT MOISTURE	PERCENT MOISTURE	7.9 %MST		
385-S04-064	METALS (TOTAL)	CHROMIUM	30.2 MG/KG		
ADP05	HEXAVALENT CHROMIUM	-	-	-	-
S04-DGS-DP17-SO-5	PH	PH	7.59		
5.00 - 5.50	PERCENT MOISTURE	PERCENT MOISTURE	12.7 %MST		
385-S04-066	METALS (TOTAL)	CHROMIUM	26.1 MG/KG		
ADP03	HEXAVALENT CHROMIUM	-	-	-	-
S04-DGS-DP18-SO-3	PH	PH	6.64	J	h
3.00 - 3.50	PERCENT MOISTURE	PERCENT MOISTURE	13.1 %MST		
385-S04-069	METALS (TOTAL)	CADMIUM	6.3 MG/KG		
ADP03		CHROMIUM	49.5 MG/KG		
S04-DGS-DP19-SO-3	HEXAVALENT CHROMIUM	CHROMIUM (VI)	0.20 MG/KG		
3.00 - 3.50	PH	PH	6.65	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	10.5 %MST		
385-S04-070	METALS (TOTAL)	CHROMIUM	29.1 MG/KG		
ADP03	HEXAVALENT CHROMIUM	-	-	-	-

Validity (Qual) : J - Estimated concentration

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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-070 ADP03 S04-DGS-DP19-SO-4 4.00 - 4.50	PH PERCENT MOISTURE	PH PERCENT MOISTURE	6.72 17.1 %MST	J	h
385-S04-072 ADP03 S04-DGS-DP20-SO-3 3.00 - 3.50	METALS (TOTAL) HEXAVALENT CHROMIUM PH PERCENT MOISTURE	CADMIUM CHROMIUM CHROMIUM (VI) PH PERCENT MOISTURE	1.0 MG/KG 191 MG/KG 0.22 MG/KG 6.62 11.7 %MST	 J	 h
385-S04-073 ADP03 S04-DGS-DP20-SO-5 5.00 - 5.50	METALS (TOTAL) HEXAVALENT CHROMIUM PH PERCENT MOISTURE	CADMIUM CHROMIUM - PH PERCENT MOISTURE	1.1 MG/KG 94.1 MG/KG - 6.46 14.3 %MST	 - J	 - h
385-S04-305 ADP87 S04-DGS-VE04-SO-3 3.00 - 3.50	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE PERCENT MOISTURE	CHROMIUM - - MOISTURE	32.0 MG/KG - - 10.0 %MST	 - - 	 - -
385-S04-305A ADP95 S04-DGS-VE04-SO-3 3.00 - 3.50	PERCENT MOISTURE FOR OTHER METALS (TOTAL)	MOISTURE CADMIUM COPPER LEAD NICKEL SILVER	10.0 %MST 0.34 MG/KG 13.1 MG/KG 5.4 MG/KG 33.0 MG/KG 1.4 MG/KG	 J J	 c g
385-S04-306 ADP87 S04-DGS-VE04-SO-5 5.00 - 5.50	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE PERCENT MOISTURE	CHROMIUM - - MOISTURE	33.6 MG/KG - - 10.7 %MST	 - - 	 - -
85-S04-306A ADP95 S04-DGS-VE04-SO-5 5.00 - 5.50	PERCENT MOISTURE FOR OTHER METALS (TOTAL)	MOISTURE CADMIUM COPPER LEAD NICKEL SILVER	10.7 %MST 1.5 MG/KG 38.0 MG/KG 7.5 MG/KG 47.0 MG/KG 2.7 MG/KG	 J 	 c
385-S04-308 ADP87 S04-DGS-VE05-SO-3 3.00 - 3.50	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE PERCENT MOISTURE	CHROMIUM CHROMIUM (VI) TOTAL CYANIDE MOISTURE	98.6 MG/KG 0.13 MG/KG 3.0 MG/KG 11.3 %MST		
385-S04-308A ADP95 S04-DGS-VE05-SO-3 3.00 - 3.50	PERCENT MOISTURE FOR OTHER METALS (TOTAL)	MOISTURE CADMIUM COPPER LEAD NICKEL SILVER	11.3 %MST 7.8 MG/KG 62.6 MG/KG 90.1 MG/KG 110 MG/KG 10.0 MG/KG	 J 	 c
385-S04-309 ADP87 S04-DGS-VE05-SO-5 5.00 - 5.50	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE PERCENT MOISTURE	CHROMIUM - - MOISTURE	53.5 MG/KG - - 12.4 %MST	 - - 	 - -
385-S04-309A	PERCENT MOISTURE FOR OTHER	MOISTURE	12.4 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
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g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-309A ADP95 S04-DGS-VE05-SO-5 5.00 - 5.50	METALS (TOTAL)	CADMIUM COPPER LEAD NICKEL SILVER	0.48 MG/KG 16.4 MG/KG 72.1 MG/KG 36.0 MG/KG 1.6 MG/KG	J J	c g
385-S04-311 ADP87 S04-DGS-VE06-SO-3 3.00 - 3.50	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE PERCENT MOISTURE	CHROMIUM CHROMIUM (VI) TOTAL CYANIDE MOISTURE	38.1 MG/KG 1.2 MG/KG 2.5 MG/KG 12.4 %MST		
385-S04-311A ADP95 S04-DGS-VE06-SO-3 3.00 - 3.50	PERCENT MOISTURE FOR OTHER METALS (TOTAL)	MOISTURE CADMIUM COPPER LEAD NICKEL SILVER	12.4 %MST 31.6 MG/KG 8.3 MG/KG 2.4 MG/KG 165 MG/KG 3.3 MG/KG	 J	 c

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-001 ADP18 S04-DGS-DP03-GW-13 13.00 - 0.00	CLP VOA	1,1,2-TRICHLOROETHANE	4 UG/L		
		1,1-DICHLOROETHENE	41 UG/L		
		1,2-DICHLOROBENZENE	40 UG/L		
		1,2-DICHLOROETHANE	1 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	5200 UG/L		
		1,4-DICHLOROBENZENE	1 UG/L	J	g
		BENZENE	0.5 UG/L	J	g
		CHLOROBENZENE	20 UG/L		
		CHLOROFORM	0.4 UG/L	J	g
		TETRACHLOROETHENE	0.8 UG/L	J	g
		TOLUENE	2 UG/L	J	g
		TRICHLOROETHENE	19000 UG/L		
		VINYL CHLORIDE	1400 UG/L		
		XYLENE (TOTAL)	1 UG/L	J	g
385-S04-002 AAL01 S04-DGS-DP05-GW-13 13.00 - 0.00	VOA 8260	1,1,1-TRICHLOROETHANE	2.8 UG/L		
		1,1,2-TRICHLOROETHANE	53 UG/L		
		1,1-DICHLOROETHANE	170 UG/L		
		1,1-DICHLOROETHENE	16000 UG/L		
		1,2-DICHLOROETHANE	37 UG/L		
		CIS-1,2-DICHLOROETHENE	59 UG/L		
		TRANS-1,2-DICHLOROETHENE	29 UG/L		
		TRICHLOROETHENE	16 UG/L		
		VINYL CHLORIDE	1.4 UG/L		
385-S04-003 AAL01 S04-DGS-DP05-GW-25 25.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE	120 UG/L		
		1,1-DICHLOROETHANE	180 UG/L		
		1,1-DICHLOROETHENE	15000 UG/L		
		1,2-DICHLOROETHANE	160 UG/L		
		CIS-1,2-DICHLOROETHENE	130 UG/L		
		TRANS-1,2-DICHLOROETHENE	130 UG/L		
385-S04-004 AL01 ,04-DGS-DP05-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHENE	4800 UG/L		
385-S04-004A ADP41 S04-DGS-DP05-GW-30 30.00 - 0.00	CLP VOA	1,1,1-TRICHLOROETHANE	6 UG/L		
		1,1,2-TRICHLOROETHANE	23 UG/L		
		1,1-DICHLOROETHANE	23 UG/L		
		1,1-DICHLOROETHENE	4000 UG/L		
		1,2-DICHLOROETHANE	29 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	56 UG/L		
		CHLOROFORM	3 UG/L		
		TRICHLOROETHENE	0.9 UG/L	J	g
		VINYL CHLORIDE	0.4 UG/L	J	g
		XYLENE (TOTAL)	0.7 UG/L	J	g
385-S04-005 AAL01 S04-DGS-DP05-GW-35 35.00 - 0.00	VOA 8260	1,1-DICHLOROETHENE	2300 UG/L		
385-S04-023 ADP88 S04-DGS-DP06-GW-8 8.00 - 0.00	METALS (TOTAL)	CHROMIUM	1540 UG/L		
	HEXAVALENT CHROMIUM	CHROMIUM (VI)	0.19 MG/L	J	h
	PH	PH	8.04	J	h
385-S04-024 AAL02 S04-DGS-DP09-GW-12 12.00 - 0.00	VOA 8260	-	-	-	-

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g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-024A ADP29 S04-DGS-DP09-GW-12 12.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE VINYL CHLORIDE	200 UG/L 6100 UG/L 18 UG/L		
385-S04-025 AAL02 S04-DGS-DP09-GW-20 20.00 - 0.00	VOA 8260	-	-	-	-
385-S04-026 AAL02 S04-DGS-DP09-GW-35 35.00 - 0.00	VOA 8260	-	-	-	-
385-S04-027 AAL02 S04-DGS-DP09-GW-40 40.00 - 0.00	VOA 8260	-	-	-	-
385-S04-028 AAL02 S04-DGS-DP09-GW-48 48.00 - 0.00	VOA 8260	-	-	-	-
385-S04-029 AAL01 S04-DGS-DP10-GW-7 7.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	0.9 UG/L 35 UG/L 7.4 UG/L 1.7 UG/L	J	g
385-S04-030 AAL01 S04-DGS-DP10-GW-12 12.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	1.3 UG/L 1.6 UG/L 3.9 UG/L 150 UG/L 42 UG/L 98 UG/L 0.6 UG/L	 J	 g
385-S04-030A ADP39 S04-DGS-DP10-GW-12 12.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) BENZENE BROMODICHLOROMETHANE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	3 UG/L 3 UG/L 0.4 UG/L 300 UG/L 0.3 UG/L 0.9 UG/L 4 UG/L 150 UG/L 1 UG/L	 J J J J J 	 g h g g h
385-S04-031 AAL01 S04-DGS-DP10-GW-15 15.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	7.9 UG/L 5.7 UG/L 5.6 UG/L 11 UG/L 860 UG/L 60 UG/L 1800 UG/L 150 UG/L		
385-S04-032	VOA 8260	1,2-DICHLOROBENZENE	77 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-032 AAL01 S04-DGS-DP10-GW-25 25.00 - 0.00	VOA 8260	1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TRICHLOROETHENE	1 UG/L 10 UG/L 2.6 UG/L 1.6 UG/L 4.6 UG/L 3600 UG/L		
385-S04-033 AAL01 S04-DGS-DP11-GW-6 6.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE	64 UG/L 33 UG/L 3.1 UG/L 160 UG/L 6.9 UG/L 2.2 UG/L		
385-S04-034 AAL01 S04-DGS-DP11-GW-10 10.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE CHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE	3.5 UG/L 3.9 UG/L 6.1 UG/L 1.9 UG/L 1.1 UG/L		
385-S04-035 AAL01 S04-DGS-DP11-GW-20 20.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	2.9 UG/L 62 UG/L 200 UG/L 6.9 UG/L 6.5 UG/L 5.2 UG/L 0.9 UG/L	J	g
385-S04-036 AAL01 S04-DGS-DP11-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE	9.5 UG/L 8.3 UG/L 0.7 UG/L	J	g
385-S04-037 AAL01 S04-DGS-DP11-GW-40 40.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE	9.7 UG/L 6.7 UG/L 0.7 UG/L	J	g
385-S04-038 AAL01 S04-DGS-DP11-GW-50 50.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE	6.6 UG/L 4.9 UG/L 0.6 UG/L	J	g
385-S04-039 AAL01 S04-DGS-DP12-GW-6 6.00 - 0.00	VOA 8260	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE 1,3-DICHLOROBENZENE BENZENE CHLOROETHANE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	9.1 UG/L 50 UG/L 2100 UG/L 5600 UG/L 85 UG/L 1.1 UG/L 0.9 UG/L 2.2 UG/L 69 UG/L 1.8 UG/L 5.3 UG/L 43 UG/L 5.9 UG/L 23 UG/L	J	g
385-S04-040	VOA 8260	1,1,1-TRICHLOROETHANE	56 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-040 AAL01 S04-DGS-DP12-GW-10 10.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	260 UG/L 2700 UG/L 20000 UG/L 350 UG/L 180 UG/L 120 UG/L 29 UG/L		
385-S04-041 AAL01 S04-DGS-DP12-GW-20 20.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE	1.8 UG/L 17 UG/L 100 UG/L 3.1 UG/L 1.9 UG/L 1.8 UG/L		
385-S04-042 AAL01 S04-DGS-DP12-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE	4.3 UG/L 17 UG/L 1.1 UG/L		
385-S04-043 AAL01 S04-DGS-DP12-GW-40 40.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	1.5 UG/L 17 UG/L		
385-S04-044 AAL01 S04-DGS-DP12-GW-50 50.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE	1.9 UG/L 19 UG/L 21 UG/L 2.7 UG/L		
385-S04-045 AAL01 S04-DGS-DP13-GW-6 6.00 - 0.00	VOA 8260	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	6.4 UG/L 14 UG/L 310 UG/L 2000 UG/L 20 UG/L 1.3 UG/L 29 UG/L 14 UG/L 4.3 UG/L 4.9 UG/L		
385-S04-045A ADP39 S04-DGS-DP13-GW-6 6.00 - 0.00	CLP VOA	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE CHLOROETHANE TOLUENE TRICHLOROETHENE VINYL CHLORIDE	7 UG/L 16 UG/L 380 UG/L 2300 UG/L 30 UG/L 64 UG/L 0.4 UG/L 2 UG/L 0.4 UG/L 5 UG/L 11 UG/L	 J J J 	 g g g
385-S04-046 AAL01 S04-DGS-DP13-GW-10 10.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE	140 UG/L 500 UG/L 6600 UG/L 140 UG/L 130 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-046 AAL01 S04-DGS-DP13-GW-10 10.00 - 0.00	VOA 8260	TRANS-1,2-DICHLOROETHENE	84 UG/L		
385-S04-047 AAL01 S04-DGS-DP13-GW-20 20.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE	80 UG/L 220 UG/L 2700 UG/L 92 UG/L 76 UG/L 48 UG/L		
385-S04-048 AAL01 S04-DGS-DP13-GW-30 30.00 - 0.00	VOA 8260	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE	2.7 UG/L 20 UG/L 20 UG/L 1200 UG/L 19 UG/L 19 UG/L 14 UG/L		
385-S04-049 AAL01 S04-DGS-DP13-GW-40 40.00 - 0.00	VOA 8260	1,1-DICHLOROETHENE	14 UG/L		
385-S04-050 AAL01 S04-DGS-DP13-GW-50 50.00 - 0.00	VOA 8260	1,1-DICHLOROETHENE	1.2 UG/L		
385-S04-052 AAL02 S04-DGS-DP14-GW-10 10.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- JET FUEL GASOLINE RANGE ORGANICS	- 280000 UG/L 67000 UG/L	- J	- y
385-S04-052A ADP32 S04-DGS-DP14-GW-10 10.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE VINYL CHLORIDE	16 UG/L 27 UG/L 11 UG/L		
385-S04-053 AAL02 S04-DGS-DP14-GW-25 25.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- JET FUEL GASOLINE RANGE ORGANICS	- 15000 UG/L 3400 UG/L	- J	- y
385-S04-054 AAL02 S04-DGS-DP14-GW-35 35.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- JET FUEL GASOLINE RANGE ORGANICS	- 3500 UG/L 710 UG/L	- J	- y
385-S04-055 AAL02 S04-DGS-DP14-GW-45 45.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- JET FUEL GASOLINE RANGE ORGANICS	- 2300 UG/L 510 UG/L	- J	- y
385-S04-056 AAL02 S04-DGS-DP14-GW-55 55.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- JET FUEL GASOLINE RANGE ORGANICS	- 1700 UG/L 410 UG/L	- J	- y

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-058 AAL01 S04-DGS-DP15-GW-8 8.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE - -	2.2 UG/L 4 UG/L - -	 - -	 - -
385-S04-062 ADP05 S04-DGS-DP16-GW-6 6.00 - 9.00	METALS (TOTAL) PH	- PH	- 7.92	-	-
385-S04-065 ADP05 S04-DGS-DP17-GW-6 6.00 - 8.00	METALS (TOTAL)	CHROMIUM	1.8 UG/L	J	g
385-S04-065A ADP06 S04-DGS-DP17-GW-6 6.00 - 0.00	HEXAVALENT CHROMIUM PH	- PH	- 5.99	-	-
385-S04-068 ADP03 S04-DGS-DP18-GW-5 5.00 - 5.50	METALS (TOTAL)	CHROMIUM	3.8 UG/L	J	g
385-S04-068A ADP06 S04-DGS-DP18-GW-7 7.00 - 0.00	HEXAVALENT CHROMIUM PH	- PH	- 7.31	-	-
385-S04-071 ADP03 S04-DGS-DP19-GW-8 `.00 - 8.50	METALS (TOTAL)	CADMIUM CHROMIUM	0.38 UG/L 8.4 UG/L	J	g
385-S04-071A ADP06 S04-DGS-DP19-GW-8 8.00 - 0.00	HEXAVALENT CHROMIUM PH	- PH	- 7.39	-	-
385-S04-074 ADP03 S04-DGS-DP20-GW-8 8.00 - 8.50	METALS (TOTAL)	CADMIUM CHROMIUM	3.4 UG/L 21.0 UG/L		
385-S04-074A ADP06 S04-DGS-DP20-GW-7 7.00 - 0.00	HEXAVALENT CHROMIUM PH	- PH	- 6.98	-	-
385-S04-075 ADP21 S04-DGS-DP21-GW-7 7.00 - 0.00	METALS (TOTAL) HEXAVALENT CHROMIUM PH	- - PH	- - 8.48	- -	- -
385-S04-076 ADP22 S04-DGS-DP21-GW-12 12.00 - 0.00	METALS (TOTAL)	CADMIUM CHROMIUM	0.27 UG/L 26.6 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-076A ADP22 S04-DGS-DP21-GW-12 12.00 - 0.00	HEXAVALENT CHROMIUM PH	- PH	- 8.77	- J	- k
385-S04-077 AAL02 S04-DGS-MW360-1-GW 5.00 - 7.00	VOA 8260	-	-	-	-
385-S04-078 AAL02 S04-DGS-MW360-1-GW 7.00 - 9.00	VOA 8260	-	-	-	-
385-S04-079 AAL02 S04-DGS-MW360-1-GW 9.00 - 11.00	VOA 8260	-	-	-	-
385-S04-080 AAL02 S04-DGS-MW360-1-GW 11.00 - 13.00	VOA 8260	-	-	-	-
385-S04-081 AAL02 S04-DGS-MW360-1-GW 13.00 - 15.00	VOA 8260	-	-	-	-
385-S04-083 AAL02 S04-DGS-MW360-2-GW 5.00 - 7.00	VOA 8260	-	-	-	-
385-S04-083A ADP25 S04-DGS-MW360-2-GW 5.00 - 7.00	CLP VOA	1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	1 UG/L 1 UG/L 0.3 UG/L 1 UG/L 2 UG/L 0.4 UG/L 0.5 UG/L	J J J J J J	g g g g g g
385-S04-084 AAL02 S04-DGS-MW360-2-GW 7.00 - 9.00	VOA 8260	-	-	-	-
385-S04-085 AAL02 S04-DGS-MW360-2-GW 9.00 - 11.00	VOA 8260	-	-	-	-
385-S04-086 AAL02 S04-DGS-MW360-2-GW 11.00 - 13.00	VOA 8260	-	-	-	-
385-S04-087 AAL02 S04-DGS-MW360-2-GW 13.00 - 15.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-087A ADP25 S04-DGS-MW360-2-GW 13.00 - 15.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	0.3 UG/L 2 UG/L 1 UG/L 0.4 UG/L 1 UG/L 2 UG/L 0.9 UG/L 0.6 UG/L	J J J J J 	g g g g g
385-S04-088 AAL02 S04-DGS-MW360-3-GW 5.00 - 7.00	VOA 8260	-	-	-	-
385-S04-089 AAL02 S04-DGS-MW360-3-GW 7.00 - 9.00	VOA 8260	-	-	-	-
385-S04-090 AAL02 S04-DGS-MW360-3-GW 9.00 - 11.00	VOA 8260	-	-	-	-
385-S04-091 AAL02 S04-DGS-MW360-3-GW 11.00 - 13.00	VOA 8260	-	-	-	-
385-S04-092 AAL02 S04-DGS-MW360-3-GW 13.00 - 15.00	VOA 8260	-	-	-	-
385-S04-095 ADP12 S04-DGS-MW360-4-GW 5.00 - 7.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	1 UG/L 0.7 UG/L 1 UG/L 35 UG/L 0.4 UG/L 1 UG/L 16 UG/L 0.3 UG/L	 J J J J J	 g g g g g
385-S04-096 ADP12 S04-DGS-MW360-4-GW 7.00 - 9.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	1 UG/L 0.9 UG/L 1 UG/L 43 UG/L 0.5 UG/L 1 UG/L 25 UG/L 1 UG/L	 J J J J 	 g g g g
385-S04-097 ADP12 S04-DGS-MW360-4-GW 9.00 - 11.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BROMODICHLOROMETHANE	2 UG/L 2 UG/L 4 UG/L 110 UG/L 2 UG/L 1 UG/L	 J J J	 g g g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-097 ADP12 S04-DGS-MW360-4-GW 9.00 - 11.00	CLP VOA	CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	2 UG/L 150 UG/L 6 UG/L	J	g
385-S04-098 ADP12 S04-DGS-MW360-4-GW 11.00 - 13.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BROMODICHLOROMETHANE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	5 UG/L 5 UG/L 12 UG/L 360 UG/L 4 UG/L 3 UG/L 4 UG/L 670 UG/L 54 UG/L		
385-S04-099 ADP12 S04-DGS-MW360-4-GW 13.00 - 15.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BROMODICHLOROMETHANE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	4 UG/L 4 UG/L 7 UG/L 300 UG/L 2 UG/L 2 UG/L 3 UG/L 530 UG/L 33 UG/L		
385-S04-101 AAL02 S04-DGS-M04-05-GW- 4.00 - 6.00	VOA 8260	-	-	-	-
385-S04-102 AAL02 S04-DGS-M04-05-GW- [illegible].00 - 8.00	VOA 8260	-	-	-	-
385-S04-103 AAL02 S04-DGS-M04-05-GW- 8.00 - 10.00	VOA 8260	-	-	-	-
385-S04-104 AAL02 S04-DGS-M04-05-GW- 10.00 - 12.00	VOA 8260	-	-	-	-
385-S04-106 ADP12 S04-DGS-D04-02-GW- 87.00 - 89.00	CLP VOA	-	-	-	-
385-S04-107 ADP12 S04-DGS-D04-02-GW- 89.00 - 91.00	CLP VOA	-	-	-	-
385-S04-108 ADP12 S04-DGS-D04-02-GW- 91.00 - 93.00	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-109 ADP12 S04-DGS-D04-02-GW- 93.00 - 95.00	CLP VOA	-	-	-	-
385-S04-111 AAL02 S04-DGS-D04-03-GW- 84.00 - 86.00	VOA 8260	-	-	-	-
385-S04-112 AAL02 S04-DGS-D04-03-GW- 86.00 - 88.00	VOA 8260	-	-	-	-
385-S04-113 AAL02 S04-DGS-D04-03-GW- 88.00 - 90.00	VOA 8260	-	-	-	-
385-S04-114 AAL02 S04-DGS-D04-03-GW- 90.00 - 92.00	VOA 8260	-	-	-	-
385-S04-115 AAL02 S04-DGS-D04-03-GW- 92.00 - 94.00	VOA 8260	-	-	-	-
385-S04-123 ADP22 S04-DGS-MW360-1-GW `.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE	16 UG/L		
		1,1-DICHLOROETHENE	6 UG/L	J	g
		1,2-DICHLOROBENZENE	100 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	60 UG/L		
		1,4-DICHLOROBENZENE	30 UG/L		
		BROMODICHLOROMETHANE	10 UG/L	J	g
		TETRACHLOROETHENE	2 UG/L	J	g
		TRICHLOROETHENE	1300 UG/L	J	h
	SVOA	1,2-DICHLOROBENZENE	55 UG/L		
		1,4-DICHLOROBENZENE	12 UG/L		
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.24 MG/L	D	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.76 MG/L	J	z
	PAH	-	-	-	-
385-S04-124 ADP27 S04-DGS-MW360-2-GW 0.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE	3 UG/L		
		1,1-DICHLOROETHENE	20 UG/L		
		1,2-DICHLOROBENZENE	0.6 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	2 UG/L	J	g
		1,4-DICHLOROBENZENE	0.5 UG/L	J	g
		CHLOROBENZENE	0.5 UG/L	J	g
		TRICHLOROETHENE	5 UG/L		
		VINYL CHLORIDE	0.5 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.73 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.04 MG/L	J	g
	PAH	-	-	-	-
385-S04-125	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-125	SVOA	-	-	-	-
ADP27	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.35 MG/L	M	
S04-DGS-MW360-3-GW	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00	PAH	-	-	-	-
385-S04-126	CLP VOA	1,1-DICHLOROETHANE	3 UG/L		
ADP16		1,1-DICHLOROETHENE	2 UG/L		
S04-DGS-MW360-4-GW		1,2-DICHLOROBENZENE	6 UG/L		
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	120 UG/L	J	a
		1,4-DICHLOROBENZENE	2 UG/L	J	g
		CHLOROBENZENE	2 UG/L	J	g
		TRICHLOROETHENE	250 UG/L	J	a
		VINYL CHLORIDE	12 UG/L		
	SVOA	1,2-DICHLOROBENZENE	3 UG/L	J	g
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	1.5 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.12 MG/L	J	z
	PAH	-	-	-	-
385-S04-127	CLP VOA	1,1-DICHLOROETHANE	0.5 UG/L	J	g
ADP27		TRICHLOROETHENE	1 UG/L	J	g
S04-DGS-M04-05-GW	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.66 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S04-128	CLP VOA	-	-	-	-
ADP17	SVOA	-	-	-	-
S04-DGS-M04-06-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S04-129	CLP VOA	-	-	-	-
ADP17					
S04-DGS-M04-07-GW					
0.00 - 0.00					
385-S04-129A	SVOA	BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L	J	g
ADP35	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.33 MG/L	MD	
S04-DGS-M04-07-GW	PAH	-	-	-	-
0.00 - 0.00					
385-S04-130	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S04-DGS-D04-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S04-131	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S04-DGS-D04-02-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	3.95 MG/L	J	z
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S04-132	CLP VOA	1,2-DICHLOROBENZENE	0.4 UG/L	J	g
ADP22	SVOA	-	-	-	-
S04-DGS-D04-03-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.76 MG/L	J	z
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-133	CLP VOA	-	-	-	-
ADP16	SVOA	-	-	-	-
S04-DGS-372-MW1-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S04-134	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	1 UG/L	J	g
ADP16		2-BUTANONE	2 UG/L	J	f,g
S04-DGS-372-MW3-GW		XYLENE (TOTAL)	0.4 UG/L	J	g
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.88 MG/L	D	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.2 UG/L	J	g
385-S04-135	CLP VOA	-	-	-	-
ADP22	SVOA	-	-	-	-
S04-DGS-MBG-3-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.37 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S04-138	VOA 8260	CIS-1,2-DICHLOROETHENE	22 UG/L		
AAL01		TRICHLOROETHENE	82 UG/L		
S04-DGS-VE01-GW-8	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	240 UG/L		
8.00 - 10.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	450 UG/L	J	z
385-S04-141	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	510 UG/L		
S04-DGS-VE02-GW-5	TPH PURGEABLES (GASOLINE)	-	-	-	-
5.00 - 6.00					
385-S04-173	CLP VOA	1,1-DICHLOROETHENE	0.5 UG/L	J	g
ADP22		1,2-DICHLOROBENZENE	49 UG/L		
S04-DGS-MW1D-BATTE		1,2-DICHLOROETHENE (TOTAL)	3 UG/L		
`.00 - 0.00		1,4-DICHLOROBENZENE	9 UG/L		
		BROMODICHLOROMETHANE	2 UG/L	J	g
		TETRACHLOROETHENE	0.4 UG/L	J	g
		TRICHLOROETHENE	250 UG/L	J	h
		VINYL CHLORIDE	1 UG/L		
	SVOA	1,2-DICHLOROBENZENE	25 UG/L		
		1,4-DICHLOROBENZENE	3 UG/L	J	g
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.12 MG/L	J	z
	PAH	FLUORANTHENE	0.1 UG/L	J	g
		PYRENE	0.41 UG/L		
385-S04-174	CLP VOA	1,1-DICHLOROETHANE	0.8 UG/L	J	a
ADP27		1,2-DICHLOROBENZENE	36 UG/L	J	a
S04-DGS-MW-5-BATEL		1,2-DICHLOROETHANE	0.9 UG/L	J	a
0.00 - 0.00		1,4-DICHLOROBENZENE	4 UG/L	J	a
		CHLOROBENZENE	3 UG/L	J	a
		TRICHLOROETHENE	3 UG/L	J	a
		VINYL CHLORIDE	12 UG/L	J	a
	SVOA	1,2-DICHLOROBENZENE	27 UG/L		
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.04 MG/L	J	g
	PAH	-	-	-	-
385-S04-175	CLP VOA	1,1,2-TRICHLOROETHANE	0.6 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-175	CLP VOA	1,1-DICHLOROETHENE	6 UG/L		
ADP27		1,2-DICHLOROBENZENE	53 UG/L		
S04-DGS-GW-1-BATEL		1,2-DICHLOROETHANE	15 UG/L		
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	2200 UG/L		
		1,4-DICHLOROBENZENE	13 UG/L		
		CHLOROBENZENE	0.8 UG/L	J	g
		CHLOROETHANE	59 UG/L	J	f
		TETRACHLOROETHENE	0.5 UG/L	J	g
		TRICHLOROETHENE	1100 UG/L		
		VINYL CHLORIDE	680 UG/L		
	SVOA	1,2-DICHLOROBENZENE	41 UG/L		
		1,4-DICHLOROBENZENE	8 UG/L		
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.21 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.99 MG/L	J	z
	PAH	-	-	-	-
385-S04-176	CLP VOA	1,1-DICHLOROETHENE	11 UG/L	J	a,g
ADP27		1,2-DICHLOROBENZENE	78 UG/L	J	a
S04-DGS-SW-1-BATEL		1,2-DICHLOROETHANE	32 UG/L	J	a
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	670 UG/L	J	a
		1,4-DICHLOROBENZENE	9 UG/L	J	a,g
		TRICHLOROETHENE	11000 UG/L	J	a
		VINYL CHLORIDE	200 UG/L	J	a
	SVOA	1,2-DICHLOROBENZENE	50 UG/L		
		1,4-DICHLOROBENZENE	5 UG/L		
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.34 MG/L	J	z
	PAH	-	-	-	-
385-S04-177	VOA 8260	M,P-XYLENES	1.7 UG/L		
AAL01		TOLUENE	2.5 UG/L		
S04-DGS-DP24-GW-7					
7.00 - 0.00					
85-S04-178	VOA 8260	CIS-1,2-DICHLOROETHENE	1.5 UG/L		
AAL01		M,P-XYLENES	1.5 UG/L		
S04-DGS-DP24-GW-14		TOLUENE	2.2 UG/L		
14.00 - 0.00		TRICHLOROETHENE	630 UG/L		
385-S04-179	VOA 8260	1,1-DICHLOROETHANE	0.7 UG/L	J	g
AAL01		M,P-XYLENES	1.2 UG/L		
S04-DGS-DP24-GW-20		TOLUENE	1.6 UG/L		
20.00 - 0.00		TRICHLOROETHENE	610 UG/L		
385-S04-180	VOA 8260	CIS-1,2-DICHLOROETHENE	49 UG/L		
AAL01		TRICHLOROETHENE	2100 UG/L		
S04-DGS-DP24-GW-30					
30.00 - 0.00					
385-S04-181	VOA 8260	1,1,2-TRICHLOROETHANE	43 UG/L		
AAL01		1,1-DICHLOROETHANE	530 UG/L		
S04-DGS-DP28-GW-7		1,1-DICHLOROETHENE	2000 UG/L		
7.00 - 0.00		1,2-DICHLOROETHANE	58 UG/L		
		CIS-1,2-DICHLOROETHENE	75 UG/L		
		TRANS-1,2-DICHLOROETHENE	38 UG/L		
		TRICHLOROETHENE	6.6 UG/L		
		VINYL CHLORIDE	14 UG/L		
385-S04-182	VOA 8260	1,1,2-TRICHLOROETHANE	78 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-182 AAL01 S04-DGS-DP28-GW-10 10.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE	610 UG/L 3400 UG/L 87 UG/L 99 UG/L 56 UG/L		
385-S04-183 AAL01 S04-DGS-DP28-GW-20 20.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	42 UG/L 280 UG/L		
385-S04-184 AAL01 S04-DGS-DP28-GW-30 30.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TOLUENE	1.2 UG/L 3.5 UG/L 22 UG/L 1.4 UG/L 1.1 UG/L 3.9 UG/L		
385-S04-185 AAL01 S04-DGS-DP28-GW-40 40.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE TOLUENE	0.6 UG/L 1.1 UG/L 1.1 UG/L	J	g
385-S04-186 AAL01 S04-DGS-DP28-GW-50 50.00 - 0.00	VOA 8260	TOLUENE	1.1 UG/L		
385-S04-186A ADP46 S04-DGS-DP28-GW-50 50.00 - 0.00	CLP VOA	1,1-DICHLOROETHENE	0.4 UG/L	J	g
85-S04-187 AL01 S04-DGS-DP27-GW-7 7.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	82 UG/L 2900 UG/L 2600 UG/L 190 UG/L 57 UG/L 110 UG/L 360 UG/L		
385-S04-188 AAL01 S04-DGS-DP27-GW-10 10.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	120 UG/L 1200 UG/L 5800 UG/L 200 UG/L 130 UG/L 83 UG/L 31 UG/L		
385-S04-189 AAL01 S04-DGS-DP27-GW-20 20.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	3.3 UG/L 54 UG/L 160 UG/L 6.8 UG/L 4 UG/L 2.6 UG/L 2.8 UG/L 2.8 UG/L		
385-S04-190	VOA 8260	1,1-DICHLOROETHANE	3.3 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-190 AAL01 S04-DGS-DP27-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROETHANE	3.8 UG/L 1 UG/L		
385-S04-191 AAL01 S04-DGS-DP27-GW-38 38.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE	1 UG/L		
385-S04-192 AAL01 S04-DGS-DP27-GW-50 50.00 - 0.00	VOA 8260	-	-	-	-
385-S04-193 AAL01 S04-DGS-DP25-GW-7 7.00 - 9.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	4.1 UG/L 1.5 UG/L 5.5 UG/L		
385-S04-194 AAL01 S04-DGS-DP25-GW-15 15.00 - 17.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	4.1 UG/L 1.6 UG/L 5.6 UG/L		
385-S04-195 AAL01 S04-DGS-DP25-GW-25 25.00 - 27.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	3.5 UG/L 1.1 UG/L 5.2 UG/L		
385-S04-196 AAL01 S04-DGS-DP25-GW-35 '5.00 - 37.00	VOA 8260	-	-	-	-
385-S04-197 AAL01 S04-DGS-DP26-GW-7 7.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	4.2 UG/L 110 UG/L 150 UG/L 9.1 UG/L 7.2 UG/L 5.9 UG/L 2.4 UG/L		
385-S04-198 AAL01 S04-DGS-DP26-GW-10 10.00 - 0.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	21 UG/L 670 UG/L 890 UG/L 52 UG/L 35 UG/L 32 UG/L 2.5 UG/L 5.4 UG/L		
385-S04-198A ADP47 S04-DGS-DP26-GW-10 10.00 - 0.00	CLP VOA	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL)	0.7 UG/L 26 UG/L 410 UG/L 330 UG/L 78 UG/L 74 UG/L	J J J	g a a,f

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-198A ADP47 S04-DGS-DP26-GW-10 10.00 - 0.00	CLP VOA	CHLOROFORM TRICHLOROETHENE VINYL CHLORIDE	1 UG/L 2 UG/L 8 UG/L	J	g
385-S04-199 AAL01 S04-DGS-DP26-GW-20 20.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	2.1 UG/L 5 UG/L		
385-S04-200 AAL01 S04-DGS-DP26-GW-30 30.00 - 0.00	VOA 8260	TOLUENE	1 UG/L		
385-S04-201 AAL01 S04-DGS-DP26-GW-40 40.00 - 0.00	VOA 8260	-	-	-	-
385-S04-202 AAL01 S04-DGS-DP26-GW-50 50.00 - 0.00	VOA 8260	-	-	-	-
385-S04-203 AAL01 S04-DGS-DP29-GW-15 15.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	TOLUENE - GASOLINE RANGE ORGANICS	1 UG/L - 390 UG/L	 - J	 - z
385-S04-203A ADP47 S04-DGS-DP29-GW-15 15.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- MOTOR OIL RANGE ORGANICS GASOLINE RANGE ORGANICS	- 0.87 MG/L 0.18 MG/L	-	-
385-S04-204 AAL01 S04-DGS-DP29-GW-25 25.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TOLUENE - -	1.6 UG/L 16 UG/L 66 UG/L 1.5 UG/L 2.1 UG/L 1.7 UG/L - -	 - -	 - -
385-S04-205 AAL01 S04-DGS-DP29-GW-35 35.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S04-206 AAL01 S04-DGS-DP29-GW-45 45.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S04-207 AAL01 S04-DGS-DP24-GW-40 40.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-208 AAL01 S04-DGS-DP24-GW-50 50.00 - 0.00	VOA 8260	TRICHLOROETHENE	2.8 UG/L		
385-S04-209 AAL01 S04-DGS-DP01-GW-8 8.00 - 10.00	VOA 8260	BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	7.2 UG/L 26 UG/L 270 UG/L 25 UG/L 28 UG/L	J	g
385-S04-210 AAL01 S04-DGS-DP01-GW-15 15.00 - 17.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES NAPHTHALENE TETRACHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	1.5 UG/L 8.3 UG/L 15 UG/L 2.2 UG/L 650 UG/L 1.5 UG/L 110 UG/L 2 UG/L 1.7 UG/L 4.3 UG/L 12000 UG/L 260 UG/L		
385-S04-211 AAL01 S04-DGS-DP01-GW-20 20.00 - 22.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHANE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	3.6 UG/L 68 UG/L 7 UG/L 1.3 UG/L 12 UG/L 330 UG/L 1.9 UG/L 2.4 UG/L 2.3 UG/L 4500 UG/L 64 UG/L		
385-S04-212 AAL01 S04-DGS-DP30-GW-14 14.00 - 0.00	VOA 8260	-	-	-	-
385-S04-213 AAL01 S04-DGS-DP30-GW-20 20.00 - 0.00	VOA 8260	TRICHLOROETHENE	200 UG/L		
385-S04-214 AAL01 S04-DGS-DP30-GW-35 35.00 - 0.00	VOA 8260	CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	17 UG/L 130 UG/L 2.5 UG/L		
385-S04-215 AAL01 S04-DGS-DP30-GW-45 45.00 - 0.00	VOA 8260	-	-	-	-
385-S04-216 AAL01 S04-DGS-DP30-GW-55 55.00 - 0.00	VOA 8260	TRICHLOROETHENE	1.5 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-217 AAL01 S04-DGS-DP31-GW-35 35.00 - 37.00	VOA 8260	1,2-DICHLOROBENZENE TRICHLOROETHENE	2.5 UG/L 4500 UG/L		
385-S04-218 AAL01 S04-DGS-DP34-GW-6 6.00 - 8.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	18 UG/L 64 UG/L 2.2 UG/L 2 UG/L 1.1 UG/L 1.1 UG/L		
385-S04-219 AAL01 S04-DGS-DP34-GW-12 12.00 - 14.00	VOA 8260	1,1-DICHLOROETHENE	1.2 UG/L		
385-S04-220 AAL01 S04-DGS-DP34-GW-20 20.00 - 22.00	VOA 8260	-	-	-	-
385-S04-221 AAL01 S04-DGS-DP34-GW-30 30.00 - 32.00	VOA 8260	-	-	-	-
385-S04-222 AAL01 S04-DGS-DP32-GW-6 6.00 - 8.00	VOA 8260	M,P-XYLENES TOLUENE	2.2 UG/L 3.3 UG/L		
385-S04-223 \AL01 .04-DGS-DP32-GW-10 10.00 - 12.00	VOA 8260	M,P-XYLENES TOLUENE	1.9 UG/L 3.2 UG/L		
385-S04-224 AAL01 S04-DGS-DP32-GW-20 20.00 - 22.00	VOA 8260	M,P-XYLENES TOLUENE	1.3 UG/L 2.1 UG/L		
385-S04-225 AAL01 S04-DGS-DP33-GW-5 5.00 - 7.00	VOA 8260	M,P-XYLENES TOLUENE	2.1 UG/L 2.9 UG/L		
385-S04-226 AAL01 S04-DGS-DP33-GW-10 10.00 - 12.00	VOA 8260	M,P-XYLENES TOLUENE	1.8 UG/L 2.7 UG/L		
385-S04-226A ADP49 S04-DGS-DP33-GW-10 10.00 - 12.00	CLP VOA	ETHYLBENZENE TOLUENE XYLENE (TOTAL)	0.3 UG/L 3 UG/L 2 UG/L	J J	g g
385-S04-227	VOA 8260	M,P-XYLENES	2.3 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-227 AAL01 S04-DGS-DP33-GW-20 20.00 - 22.00	VOA 8260	TOLUENE	3.9 UG/L		
385-S04-228 AAL01 S04-DGS-DP33-GW-30 30.00 - 32.00	VOA 8260	M,P-XYLENES TOLUENE	1.7 UG/L 2.3 UG/L		
385-S04-229 AAL01 S04-DGS-DP35-GW-15 15.00 - 17.00	VOA 8260 TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE -	1.7 UG/L 3.3 UG/L -	- -	- -
385-S04-230 AAL01 S04-DGS-DP35-GW-25 25.00 - 27.00	VOA 8260 TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE -	1.4 UG/L 2.4 UG/L -	- -	- -
385-S04-231 AAL01 S04-DGS-DP35-GW-8 8.00 - 10.00	VOA 8260 TPH PURGEABLES (GASOLINE)	BENZENE M,P-XYLENES TOLUENE GASOLINE RANGE ORGANICS	0.6 UG/L 2.5 UG/L 5.9 UG/L 120 UG/L	J J	g z
385-S04-232 AAL01 S04-DGS-DP31-GW-10 10.00 - 12.00	VOA 8260	-	-	-	-
385-S04-232C AAL01 S04-DGS-DP36-GW-20 '0.00 - 22.00	VOA 8260	1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TOLUENE TRICHLOROETHENE	1.1 UG/L 4 UG/L 1.4 UG/L 1800 UG/L		
385-S04-233 AAL01 S04-DGS-DP31-GW-15 15.00 - 17.00	VOA 8260	-	-	-	-
385-S04-233C AAL01 S04-DGS-DP36-GW-25 25.00 - 27.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE	1.2 UG/L 1.3 UG/L 29 UG/L 1.1 UG/L 3700 UG/L 3.5 UG/L		
385-S04-234 AAL01 S04-DGS-DP31-GW-25 25.00 - 27.00	VOA 8260	TRICHLOROETHENE	5.6 UG/L		
385-S04-234C AAL01 S04-DGS-DP38-GW-5 5.00 - 7.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE	3.2 UG/L 16 UG/L 81 UG/L 5 UG/L 3.7 UG/L 2.6 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-235C AAL01 S04-DGS-DP38-GW-10 10.00 - 12.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE BENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	81 UG/L 310 UG/L 1800 UG/L 100 UG/L 0.8 UG/L 80 UG/L 52 UG/L 1.3 UG/L 4.6 UG/L	 J 	 g
385-S04-235CA ADP53 S04-DGS-DP38-GW-10 10.00 - 12.00	CLP VOA	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) CHLOROFORM TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	65 UG/L 300 UG/L 1500 UG/L 96 UG/L 94 UG/L 3 UG/L 0.8 UG/L 0.9 UG/L 5 UG/L 0.4 UG/L	 J J J J	 g
385-S04-236 AAL01 S04-DGS-VE03-GW-7 7.00 - 0.00	VOA 8260	VINYL CHLORIDE	0.5 UG/L	J	g
385-S04-236C AAL01 S04-DGS-DP38-GW-20 20.00 - 22.00	VOA 8260	1,1-DICHLOROETHENE	1.1 UG/L		
385-S04-237 AAL01 S04-DGS-DP37-GW-6 .00 - 8.00	VOA 8260	-	-	-	-
385-S04-238 AAL01 S04-DGS-DP37-GW-10 10.00 - 12.00	VOA 8260	1,1-DICHLOROETHENE	1.5 UG/L		
385-S04-239 AAL01 S04-DGS-DP39-GW-6 6.00 - 8.00	VOA 8260	BENZENE	0.6 UG/L	J	g
385-S04-240 AAL01 S04-DGS-DP10-GW-35 35.00 - 37.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES O-XYLENE TETRACHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	3 UG/L 30 UG/L 1.6 UG/L 1.2 UG/L 2.1 UG/L 11 UG/L 5.9 UG/L 2.6 UG/L 13 UG/L 6.2 UG/L 1 UG/L 9200 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-240 AAL01 S04-DGS-DP10-GW-35 35.00 - 37.00	VOA 8260	VINYL CHLORIDE	0.5 UG/L	J	g
385-S04-241 AAL01 S04-DGS-DP40-GW-25 25.00 - 27.00	VOA 8260	-	-	-	-
385-S04-242 AAL01 S04-DGS-DP10-GW-75 75.00 - 77.00	VOA 8260	TRICHLOROETHENE	2.1 UG/L		
385-S04-243 AAL01 S04-DGS-DP36-GW-75 75.00 - 77.00	VOA 8260	TRICHLOROETHENE	590 UG/L		
385-S04-244 AAL01 S04-DGS-DP31-GW-45 45.00 - 47.00	VOA 8260	1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TRICHLOROETHENE	1.3 UG/L 1.3 UG/L 1.6 UG/L 9300 UG/L		
385-S04-245 ADP57 S04-DGS-DP10-GW-48 48.00 - 0.00	CLP VOA	TRICHLOROETHENE	490 UG/L		
385-S04-246 ADP57 S04-DGS-DP10-GW-60 60.00 - 0.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BENZENE CARBON DISULFIDE TOLUENE TRICHLOROETHENE	3 UG/L 0.9 UG/L 0.5 UG/L 0.4 UG/L 0.5 UG/L 0.4 UG/L 120 UG/L	 J J J J J	 g g g f,g g
385-S04-247 ADP57 S04-DGS-DP31-GW-60 60.00 - 0.00	CLP VOA	TRICHLOROETHENE	0.8 UG/L	J	g
385-S04-248 ADP57 S04-DGS-DP40-GW-60 60.00 - 0.00	CLP VOA	-	-	-	-
385-S04-249 ADP59 S04-DGS-DP25-GW-48 48.00 - 0.00	CLP VOA	-	-	-	-
385-S04-250 ADP59 S04-DGS-DP25-GW-60 60.00 - 0.00	CLP VOA	-	-	-	-
385-S04-251	CLP VOA	4-METHYL-2-PENTANONE	0.7 UG/L	J	f,g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-251 ADP59 S04-DGS-DP36-GW-48 48.00 - 0.00	CLP VOA	ACETONE TRICHLOROETHENE	24 UG/L 1 UG/L	J J	f g
385-S04-252 ADP59 S04-DGS-DP36-GW-60 60.00 - 0.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 4-METHYL-2-PENTANONE ACETONE CARBON DISULFIDE CHLOROETHANE TRICHLOROETHENE	0.3 UG/L 0.6 UG/L 23 UG/L 21 UG/L 2 UG/L 0.4 UG/L 22 UG/L	J J J J J J	g g f f f g
385-S04-253 AAT01 S04-DGS-DP42-GW-5 5.00 - 0.00	VOA 8260	-	-	-	-
385-S04-254 AAT01 S04-DGS-DP42-GW-10 10.00 - 0.00	VOA 8260	-	-	-	-
385-S04-255 AAT01 S04-DGS-DP43-GW-6 6.00 - 0.00	VOA 8260	-	-	-	-
385-S04-256 AAT03 S04-DGS-DP41-GW-20 20.00 - 22.00	VOA 8260	1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	2.9 UG/L 79 UG/L 2600 UG/L 8.7 UG/L	J J J	c c c
385-S04-257 AAT03 S04-DGS-DP41-GW-35 35.00 - 37.00	VOA 8260	CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	6.3 UG/L 560 UG/L		
385-S04-258 AAT03 S04-DGS-DP41-GW-48 48.00 - 50.00	VOA 8260	CARBON DISULFIDE TRICHLOROETHENE	1.5 UG/L 16 UG/L	J J	c,f c
385-S04-259 AAT03 S04-DGS-DP41-GW-60 60.00 - 62.00	VOA 8260	CARBON DISULFIDE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	0.7 UG/L 0.5 UG/L 26 UG/L	J J J	c,f c c
385-S04-260 AAT03 S04-DGS-DP44-GW-25 25.00 - 27.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S04-261 AAT03 S04-DGS-DP29-GW-8 8.00 - 10.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S04-262 AAT02 S04-DGS-DP10-GW-75 75.00 - 77.00	VOA 8260	TRICHLOROETHENE	3.0 UG/L	J	c

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-263 AAT02 S04-DGS-DP36-GW-75 75.00 - 77.00	VOA 8260	TRICHLOROETHENE	0.8 UG/L	J	c
385-S04-264 AAT05 S04-DGS-DP36-GW-12 12.00 - 14.00	VOA 8260	CARBON DISULFIDE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	1.6 UG/L 1.6 UG/L 22 UG/L		
385-S04-265 AAT05 S04-DGS-DP41-GW-12 12.00 - 14.00	VOA 8260	CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	2.0 UG/L 28 UG/L		
385-S04-266 AAT05 S04-DGS-DP45-GW-12 12.00 - 14.00	VOA 8260	CARBON DISULFIDE CIS-1,2-DICHLOROETHENE VINYL CHLORIDE	1.7 UG/L 3.4 UG/L 1.2 UG/L		
385-S04-267 AAT05 S04-DGS-DP45-GW-20 20.00 - 22.00	VOA 8260	1,2-DICHLOROBENZENE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	28 UG/L 95 UG/L 7700 UG/L 130 UG/L		
385-S04-268 AAT05 S04-DGS-DP45-GW-35 35.00 - 37.00	VOA 8260	CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	34 UG/L 990 UG/L 19 UG/L		
385-S04-269 AAT06 S04-DGS-DP45-GW-48 48.00 - 50.00	VOA 8260	CARBON DISULFIDE	0.9 UG/L		
385-S04-270 AAT06 S04-DGS-DP45-GW-60 60.00 - 62.00	VOA 8260	CARBON DISULFIDE	1.0 UG/L		
385-S04-271 AAT06 S04-DGS-DP46-GW-20 20.00 - 22.00	VOA 8260	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHANE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	3.1 UG/L 5.2 UG/L 120 UG/L 11 UG/L 3.2 UG/L 1.2 UG/L 200 UG/L 1.5 UG/L 2.5 UG/L 15000 UG/L 23 UG/L		
385-S04-272 AAT06 S04-DGS-DP46-GW-35 35.00 - 37.00	VOA 8260	1,2-DICHLOROBENZENE CARBON DISULFIDE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	0.7 UG/L 1.0 UG/L 4.1 UG/L 76 UG/L 1.4 UG/L		
385-S04-273	VOA 8260	CIS-1,2-DICHLOROETHENE	23 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-273 AAT06 S04-DGS-DP46-GW-48 48.00 - 50.00	VOA 8260	TRICHLOROETHENE	1100 UG/L		
385-S04-274 AAT06 S04-DGS-DP46-GW-60 60.00 - 62.00	VOA 8260	1,2-DICHLOROBENZENE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	0.7 UG/L 1.0 UG/L 48 UG/L		
385-S04-275 AAT07 S04-DGS-DP47-GW-20 20.00 - 22.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	2.0 UG/L 12 UG/L 1.2 UG/L 80 UG/L 1500 UG/L 8.7 UG/L		
385-S04-276 AAT07 S04-DGS-DP47-GW-35 35.00 - 37.00	VOA 8260	CARBON DISULFIDE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	3.1 UG/L 0.6 UG/L 9.8 UG/L		
385-S04-277 AAT07 S04-DGS-DP47-GW-48 48.00 - 50.00	VOA 8260	CARBON DISULFIDE TRICHLOROETHENE	3.1 UG/L 2.4 UG/L		
385-S04-278 AAT07 S04-DGS-DP47-GW-60 60.00 - 62.00	VOA 8260	CARBON DISULFIDE TRICHLOROETHENE	2.5 UG/L 2.3 UG/L		
385-S04-279 AT07 04-DGS-DP48-GW-20 20.00 - 22.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	3.3 UG/L 1.4 UG/L		
385-S04-280 AAT07 S04-DGS-DP48-GW-35 35.00 - 37.00	VOA 8260	CARBON DISULFIDE	1.7 UG/L		
385-S04-281 AAT07 S04-DGS-DP48-GW-48 48.00 - 50.00	VOA 8260	CARBON DISULFIDE	1.1 UG/L		
385-S04-282 AAT07 S04-DGS-DP48-GW-60 60.00 - 62.00	VOA 8260	CARBON DISULFIDE	0.8 UG/L		
385-S04-283 ADP73 S04-DGS-DP50-GW-20 20.00 - 22.00	CLP VOA	1,2-DICHLOROETHANE METHYL TERT BUTYL ETHER	0.8 UG/L 0.5 UG/L	 J	 g
385-S04-284 ADP73 S04-DGS-DP50-GW-35 35.00 - 37.00	CLP VOA	2-BUTANONE	3 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-285 ADP73 S04-DGS-DP50-GW-48 48.00 - 50.00	CLP VOA	2-BUTANONE CARBON DISULFIDE	5 UG/L 0.9 UG/L	 J	 g
385-S04-286 ADP73 S04-DGS-DP49-GW-12 12.00 - 14.00	CLP VOA	-	-	-	-
385-S04-287 ADP73 S04-DGS-DP49-GW-20 20.00 - 22.00	CLP VOA	1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) 1,3-DICHLOROBENZENE BROMODICHLOROMETHANE CARBON DISULFIDE TETRACHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	3 UG/L 2 UG/L 3 UG/L 210 UG/L 1 UG/L 6 UG/L 0.5 UG/L 0.5 UG/L 5700 UG/L 18 UG/L	 J J J J 	 g g g g
385-S04-288 ADP73 S04-DGS-DP49-GW-35 35.00 - 37.00	CLP VOA	CARBON DISULFIDE TRICHLOROETHENE	2 UG/L 4 UG/L	J 	g
385-S04-289 ADP73 S04-DGS-DP49-GW-48 48.00 - 50.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) 2-BUTANONE CARBON DISULFIDE TRICHLOROETHENE	0.4 UG/L 3 UG/L 2 UG/L 10 UG/L	J J 	g g
385-S04-290 ADP73 S04-DGS-DP49-GW-60 0.00 - 62.00	CLP VOA	CARBON DISULFIDE TRICHLOROETHENE	1 UG/L 1 UG/L	J J	g g
385-S04-291 ADP71 S04-DGS-DP46-GW-12 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHANE	0.4 UG/L	J	a,g
385-S04-292 ADP75 S04-DGS-DP51-GW-12 12.00 - 14.00	CLP VOA	METHYL TERT BUTYL ETHER TOLUENE XYLENE (TOTAL)	0.3 UG/L 0.9 UG/L 0.5 UG/L	J J J	g g g
385-S04-293 ADP75 S04-DGS-DP51-GW-20 20.00 - 22.00	CLP VOA	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) METHYL TERT BUTYL ETHER TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	0.8 UG/L 3 UG/L 3 UG/L 120 UG/L 0.3 UG/L 1 UG/L 2700 UG/L 21 UG/L 1 UG/L	J J J J J J	g a g g a g
385-S04-294 ADP75	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TOLUENE	0.6 UG/L 1 UG/L	J J	a,g a,g

Validity (Qual) : J - Estimated concentration

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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-294 ADP75 S04-DGS-DP51-GW-30 30.00 - 32.00	CLP VOA	TRICHLOROETHENE XYLENE (TOTAL)	3 UG/L 0.6 UG/L	J J	a a,g
385-S04-307 ADP87 S04-DGS-VE04-GW-7 7.00 - 0.00	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE	- - -	- - -	- - -	- - -
385-S04-307A ADP95 S04-DGS-VE04-GW-7 7.00 - 0.00	METALS (TOTAL)	LEAD NICKEL	0.71 UG/L 3.6 UG/L	J J	g g
385-S04-310 ADP87 S04-DGS-VE05-GW-7 7.00 - 0.00	METALS (TOTAL) HEXAVALENT CHROMIUM CYANIDE	- - -	- - -	- - -	- - -
385-S04-310A ADP95 S04-DGS-VE05-GW-7 7.00 - 0.00	METALS (TOTAL)	LEAD NICKEL	2.6 UG/L 6.7 UG/L	J J	g g
385-S04-522 ADP59 S04-DGS-TB-6 0.00 - 0.00	CLP VOA	CARBON DISULFIDE	0.3 UG/L	J	f,g
385-S04-901 ADP17 S04-DGS-M04-06-GWD `.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - - - -	- - - - -	- - - - -	- - - - -
385-S04-902 ADP22 S04-DGS-MBG-3-GWDU 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	1,2-DICHLOROBENZENE - MOTOR OIL RANGE ORGANICS - -	0.6 UG/L - 0.40 MG/L - -	J - M - -	g - - -
385-S04-906 AAT03 S04-DGS-DP44-GW-25 25.00 - 27.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S04-912 ADP18 S04-DGS-ER-1 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	2-BUTANONE BROMOFORM TRICHLOROETHENE - - - -	3 UG/L 0.3 UG/L 0.3 UG/L - - - -	J J J - - - -	f g g - - - -
385-S04-913 ADP29 S04-DGS-TB-1 0.00 - 0.00	CLP VOA	2-HEXANONE	0.3 UG/L	J	f,g

Validity (Qual) : J - Estimated concentration

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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-914 ADP32 S04-DGS-TB-2 0.00 - 0.00	CLP VOA	2-HEXANONE METHYL TERT BUTYL ETHER	0.4 UG/L 0.5 UG/L	J J	f,g g
385-S04-915 ADP39 S04-DGS-TB-3 0.00 - 0.00	CLP VOA	2-HEXANONE	0.4 UG/L	J	f,g,h
385-S04-916 AAL01 S04-DGS-ER-2 0.00 - 0.00	VOA 8260	-	-	-	-
385-S04-917 AAL01 S04-DGS-ER-3 0.00 - 0.00	VOA 8260	-	-	-	-
385-S04-918 ADP41 S04-DGS-TB-3 0.00 - 0.00	CLP VOA	2-HEXANONE	0.4 UG/L	J	f,g
385-S04-919 ADP46 S04-DGS-TB-4 0.00 - 0.00	CLP VOA	2-HEXANONE	0.3 UG/L	J	f,g
385-S04-920 AAL01 S04-DGS-ER-4 0.00 - 0.00	VOA 8260	-	-	-	-
385-S04-920A ADP47 S04-DGS-TB-5 0.00 - 0.00	CLP VOA	2-HEXANONE	0.4 UG/L	J	f,g
385-S04-921 AAL01 S04-DGS-ER-4 0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S04-922 ADP59 S04-DGS-ER-5 0.00 - 0.00	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	2 UG/L 5 UG/L 0.7 UG/L	J J	g g
385-S04-923 AAT03 S04-DGS-TB-7 0.00 - 0.00	VOA 8260	-	-	-	-
385-S04-924 AAT03 S04-DGS-ER-6 0.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	BROMODICHLOROMETHANE CHLOROFORM -	1.0 UG/L 3.4 UG/L -	J J -	c c -

Validity (Qual) : J - Estimated concentration

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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-925 AAT02 S04-DGS-TB-8 0.00 - 0.00	VOA 8260	-	-	-	-
385-S04-926 AAT02 S04-DGS-DP36-GW-75 75.00 - 77.00	VOA 8260	-	-	-	-
385-S04-927 AAT05 S04-DGS-TB-9 0.00 - 0.00	VOA 8260	NAPHTHALENE	3.3 UG/L	J	f
385-S04-928 AAT05 S04-DGS-DP36-GW-12 12.00 - 14.00	VOA 8260	CARBON DISULFIDE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	1.4 UG/L 1.6 UG/L 22 UG/L		
385-S04-929 AAT05 S04-DGS-ER-7 0.00 - 0.00	VOA 8260	BROMODICHLOROMETHANE CHLOROFORM	0.7 UG/L 1.8 UG/L		
385-S04-929C AAT06 S04-DGS-TB-10 0.00 - 0.00	VOA 8260	TRICHLOROETHENE	3.4 UG/L		
385-S04-930 AAT06 S04-DGS-DP46-GW-35 `5.00 - 37.00	VOA 8260	1,2-DICHLOROBENZENE CARBON DISULFIDE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	0.8 UG/L 0.8 UG/L 4.3 UG/L 83 UG/L 1.5 UG/L		
385-S04-931 AAT06 S04-DGS-ER-8 0.00 - 0.00	VOA 8260	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	1.9 UG/L 6.7 UG/L 0.7 UG/L		
385-S04-932 AAT07 S04-DGS-TB-11 0.00 - 0.00	VOA 8260	-	-	-	-
385-S04-933 AAT07 S04-DGS-DP48-GW-35 35.00 - 37.00	VOA 8260	CARBON DISULFIDE	1.4 UG/L		
385-S04-934 AAT07 S04-DGS-ER-9 0.00 - 0.00	VOA 8260	BROMODICHLOROMETHANE CHLOROFORM	1.3 UG/L 5.0 UG/L		
385-S04-935 ADP73	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM	1 UG/L 4 UG/L	J	g

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ALAMEDA CTO 385
SITE S04 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S04-935 ADP73 S04-DGS-TB-12 0.00 - 0.00	CLP VOA	DIBROMOCHLOROMETHANE	0.5 UG/L	J	g
385-S04-936 ADP73 S04-DGS-DP50-GW-35 35.00 - 37.00	CLP VOA	2-BUTANONE CARBON DISULFIDE	3 UG/L 0.3 UG/L	 J	 g
385-S04-937 ADP73 S04-DGS-ER-11 0.00 - 0.00	CLP VOA	2-BUTANONE	0.4 UG/L	J	g
385-S04-938 ADP75 S04-DGS-TB-13 0.00 - 0.00	CLP VOA	-	-	-	-
385-S04-939 ADP75 S04-DGS-ER-11 0.00 - 0.00	CLP VOA	2-BUTANONE BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	1 UG/L 1 UG/L 3 UG/L 0.4 UG/L	J J J	f,g g g
385-S04-940 ADP75 S04-DGS-DP51-GW-12 12.00 - 14.00	CLP VOA	METHYL TERT BUTYL ETHER TOLUENE XYLENE (TOTAL)	0.3 UG/L 1 UG/L 0.6 UG/L	J J J	g g g

Validity (Qual) : J - Estimated concentration

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d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
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ALAMEDA CTO 385
SITE S05
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-138	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.528 %		
ABS02		NITROGEN	78.27 %		
S05-DGS-SG03-SG-2.		OXYGEN	20.20 %		
2.20 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.528 %		
		NITROGEN	78.27 %		
		OXYGEN	20.20 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	9942.73 UG/M3		
		1,1-DICHLOROETHANE	2251.77 UG/M3		
		1,1-DICHLOROETHENE	122.46 UG/M3		
		CHLOROETHANE	53.85 UG/M3		
		CIS-1,2-DICHLOROETHENE	871.34 UG/M3		
		M & P-XYLENE	78.24 UG/M3		
		TOLUENE	265.65 UG/M3		
		TRICHLOROETHENE	4602.60 UG/M3		
385-S05-139	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.120 %		
ABS02		NITROGEN	78.03 %		
S05-DGS-SG03-SG-4.		OXYGEN	20.85 %		
4.20 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.120 %		
		NITROGEN	78.03 %		
		OXYGEN	20.85 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	8367.00 UG/M3		
		1,1-DICHLOROETHANE	2111.26 UG/M3		
		1,1-DICHLOROETHENE	124.76 UG/M3		
		BENZENE	69.68 UG/M3		
		CHLOROETHANE	45.95 UG/M3		
		CIS-1,2-DICHLOROETHENE	1045.89 UG/M3		
		M & P-XYLENE	141.98 UG/M3		
		TOLUENE	609.45 UG/M3		
		TRICHLOROETHENE	3254.37 UG/M3		
385-S05-140	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.912 %		
ABS02		NITROGEN	78.46 %		
S05-DGS-SG03-SG-6.		OXYGEN	19.63 %		
.20 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.912 %		
		NITROGEN	78.46 %		
		OXYGEN	19.63 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	13284.88 UG/M3		
		1,1-DICHLOROETHANE	3654.41 UG/M3		
		1,1-DICHLOROETHENE	558.22 UG/M3		
		BENZENE	50.20 UG/M3		
		CHLOROETHANE	103.08 UG/M3		
		CIS-1,2-DICHLOROETHENE	1727.43 UG/M3		
		ETHYLBENZENE	26.91 UG/M3		
		M & P-XYLENE	107.43 UG/M3		
		O-XYLENE	28.24 UG/M3		
		TETRACHLOROETHENE	98.76 UG/M3		
		TOLUENE	542.85 UG/M3		
		TRICHLOROETHENE	5234.32 UG/M3		
385-S05-143	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.017 %		
ABS04		NITROGEN	78.41 %		
S05-DGS-SG06-SG-2.		OXYGEN	19.58 %		
2.10 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.017 %		
		NITROGEN	78.41 %		
		OXYGEN	19.58 %		
	VOCS BY TO14	1,1-DICHLOROETHANE	25.29 UG/M3	J	a
		M & P-XYLENE	18.59 UG/M3	J	a

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e - Internal standard problems
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g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-143	VOCS BY TO14	TOLUENE	70.23 UG/M3	J	a
ABS04		TRICHLOROETHENE	72.87 UG/M3	J	a
S05-DGS-SG06-SG-2.					
2.10 - 0.00					
385-S05-144	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.321 %		
ABS04		NITROGEN	78.66 %		
S05-DGS-SG06-SG-4.		OXYGEN	19.02 %		
4.10 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.321 %		
		NITROGEN	78.66 %		
		OXYGEN	19.02 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	32.63 UG/M3	J	a
		1,1-DICHLOROETHANE	40.11 UG/M3	J	a
		BENZENE	18.83 UG/M3	J	a
		ETHYLBENZENE	32.25 UG/M3	J	a
		M & P-XYLENE	189.98 UG/M3	J	a
		O-XYLENE	31.60 UG/M3	J	a
		TOLUENE	455.95 UG/M3	J	a
		TRICHLOROETHENE	242.49 UG/M3	J	a
385-S05-145	LANDFILL GASES BY D1945	CARBON DIOXIDE	3.244 %		
ABS04		NITROGEN	79.00 %		
S05-DGS-SG06-SG-6.		OXYGEN	17.76 %		
6.10 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	3.244 %		
		NITROGEN	79.00 %		
		OXYGEN	17.76 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	67.04 UG/M3		
		1,1-DICHLOROETHANE	77.55 UG/M3		
		BENZENE	14.20 UG/M3		
		ETHYLBENZENE	43.04 UG/M3		
		M & P-XYLENE	269.71 UG/M3		
		O-XYLENE	45.62 UG/M3		
		TETRACHLOROETHENE	34.27 UG/M3		
		TOLUENE	457.68 UG/M3		
		TRICHLOROETHENE	432.44 UG/M3		
385-S05-148	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.668 %		
ABS01		NITROGEN	78.12 %		
S05-DGS-SG09-SG-1.		OXYGEN	21.21 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.668 %		
		NITROGEN	78.12 %		
		OXYGEN	21.21 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	5010.12 UG/M3		
		1,1-DICHLOROETHANE	1161.35 UG/M3		
		1,1-DICHLOROETHENE	1336.09 UG/M3		
		BENZENE	58.17 UG/M3		
		CIS-1,2-DICHLOROETHENE	179.27 UG/M3		
		ETHYLBENZENE	216.79 UG/M3		
		M & P-XYLENE	1133.09 UG/M3		
		O-XYLENE	276.62 UG/M3		
		TETRACHLOROETHENE	351.66 UG/M3		
		TOLUENE	1452.06 UG/M3		
		TRICHLOROETHENE	5931.57 UG/M3		
385-S05-149	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.247 %		
ABS01		NITROGEN	77.93 %		
S05-DGS-SG09-SG-3.		OXYGEN	21.82 %		
3.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.247 %		

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g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-149	LANDFILL GASES BY D1945	NITROGEN	77.93 %		
ABS01		OXYGEN	21.82 %		
S05-DGS-SG09-SG-3.	VOCS BY TO14	1,1,1-TRICHLOROETHANE	3296.85 ± -M UG/M3		
3.50 - 0.00		1,1-DICHLOROETHANE	685.83 ± -M UG/M3		
		1,1-DICHLOROETHENE	883.60 ± -M UG/M3		
		1,2-DICHLOROETHANE	158.94 ± -M UG/M3		
		BENZENE	27.73 ± -M UG/M3		
		CIS-1,2-DICHLOROETHENE	110.09 ± -M UG/M3		
		ETHYLBENZENE	162.51 ± -M UG/M3		
		M & P-XYLENE	992.87 ± -M UG/M3		
		O-XYLENE	281.37 ± -M UG/M3		
		TETRACHLOROETHENE	222.61 ± -M UG/M3		
		TOLUENE	1189.08 ± -M UG/M3		
		TRICHLOROETHENE	4293.15 ± -M UG/M3		
385-S05-150	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.683 %		
ABS01		NITROGEN	78.24 %		
S05-DGS-SG09-SG-5.		OXYGEN	21.08 %		
5.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.683 %		
		NITROGEN	78.24 %		
		OXYGEN	21.08 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	4411.24 UG/M3	J	a
		1,1-DICHLOROETHANE	964.01 UG/M3	J	a
		1,1-DICHLOROETHENE	1233.01 UG/M3	J	a
		1,2-DICHLOROETHANE	213.82 UG/M3	J	a
		BENZENE	72.63 UG/M3	J	a
		CIS-1,2-DICHLOROETHENE	147.25 UG/M3	J	a
		ETHYLBENZENE	309.37 UG/M3	J	a
		M & P-XYLENE	1928.65 UG/M3	J	a
		O-XYLENE	523.12 UG/M3	J	a
		TETRACHLOROETHENE	311.85 UG/M3	J	a
		TOLUENE	2984.16 UG/M3	J	a
		TRICHLOROETHENE	6668.09 UG/M3	J	a
85-S05-153	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.139 %		
ABS04		NITROGEN	77.57 %		
S05-DGS-SG12-SG-2.		OXYGEN	21.29 %		
2.20 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.139 %		
		NITROGEN	77.57 %		
		OXYGEN	21.29 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	220.19 UG/M3		
		1,1-DICHLOROETHENE	17.15 UG/M3		
		ETHYLBENZENE	22.25 UG/M3		
		M & P-XYLENE	136.66 UG/M3		
		O-XYLENE	25.96 UG/M3		
		TETRACHLOROETHENE	2355.74 UG/M3		
		TOLUENE	217.74 UG/M3		
		TRICHLOROETHENE	947.18 UG/M3		
385-S05-154	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.333 %		
ABS04		NITROGEN	77.91 %		
S05-DGS-SG12-SG-4.		OXYGEN	20.76 %		
4.70 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.333 %		
		NITROGEN	77.91 %		
		OXYGEN	20.76 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	365.99 UG/M3		
		1,1-DICHLOROETHANE	20.56 UG/M3		
		1,2-DICHLOROETHANE	17.70 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-154	VOCS BY TO14	BENZENE	14.99 UG/M3		
ABS04		ETHYLBENZENE	46.56 UG/M3		
S05-DGS-SG12-SG-4.		M & P-XYLENE	271.83 UG/M3		
4.70 - 0.00		O-XYLENE	52.24 UG/M3		
		TETRACHLOROETHENE	3024.52 UG/M3		
		TOLUENE	491.77 UG/M3		
		TRICHLOROETHENE	1345.60 UG/M3		
385-S05-158	LANDFILL GASES BY D1945	NITROGEN	77.77 %		
ABS02		OXYGEN	22.23 %		
S05-DGS-SG15-SG-3.	LANDFILL GASES BY D1945H	NITROGEN	77.77 %		
3.20 - 0.00		OXYGEN	22.23 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	148.7 UG/M3		
		1,1-DICHLOROETHANE	21.5 UG/M3		
		CIS-1,2-DICHLOROETHENE	23.0 UG/M3		
		M & P-XYLENE	53.0 UG/M3		
		TOLUENE	126.1 UG/M3		
		TRICHLOROETHENE	388.9 UG/M3		
385-S05-160	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.044 %		
ABS02		NITROGEN	77.80 %		
S05-DGS-SG15-SG-6.		OXYGEN	22.16 %		
6.20 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.044 %		
		NITROGEN	77.80 %		
		OXYGEN	22.16 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	65.79 UG/M3		
		CIS-1,2-DICHLOROETHENE	23.29 UG/M3		
		M & P-XYLENE	53.73 UG/M3		
		TOLUENE	141.77 UG/M3		
		TRICHLOROETHENE	358.58 UG/M3		
385-S05-163	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.554 %		
ABS03		NITROGEN	78.02 %		
305-DGS-SG18-SG-2.		OXYGEN	21.43 %		
.30 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.554 %		
		NITROGEN	78.02 %		
		OXYGEN	21.43 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	6358.56 UG/M3	J	a
		1,1-DICHLOROETHANE	7645.31 UG/M3	J	a
		1,1-DICHLOROETHENE	4631.73 UG/M3	J	a
		BENZENE	50.08 UG/M3	J	a
		CHLOROETHANE	137.71 UG/M3	J	a
		TETRACHLOROETHENE	245.50 UG/M3	J	a
		TOLUENE	138.72 UG/M3	J	a
		TRICHLOROETHENE	716.89 UG/M3	J	a
385-S05-164	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.445 %		
ABS03		NITROGEN	77.82 %		
S05-DGS-SG18-SG-4.		OXYGEN	21.73 %		
4.30 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.445 %		
		NITROGEN	77.82 %		
		OXYGEN	21.73 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	5442.92 UG/M3		
		1,1-DICHLOROETHANE	6466.28 UG/M3		
		1,1-DICHLOROETHENE	3993.25 UG/M3		
		BENZENE	46.31 UG/M3		
		CHLOROETHANE	92.79 UG/M3		
		M & P-XYLENE	88.42 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-164 ABS03 S05-DGS-SG18-SG-4. 4.30 - 0.00	VOCS BY TO14	TETRACHLOROETHENE	198.58 UG/M3		
		TOLUENE	262.05 UG/M3		
		TRICHLOROETHENE	558.41 UG/M3		
385-S05-165 ABS03 S05-DGS-SG18-SG-6. 6.30 - 0.00	LANDFILL GASES BY D1945	NITROGEN	77.45 %		
		OXYGEN	22.55 %		
	LANDFILL GASES BY D1945H	NITROGEN	77.45 %		
		OXYGEN	22.55 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	425.21 UG/M3		
		1,1-DICHLOROETHANE	677.80 UG/M3		
		1,1-DICHLOROETHENE	936.00 UG/M3		
		BENZENE	25.55 UG/M3		
		ETHYLBENZENE	19.90 UG/M3		
		M & P-XYLENE	106.06 UG/M3		
		O-XYLENE	21.43 UG/M3		
		TETRACHLOROETHENE	22.43 UG/M3		
		TOLUENE	328.36 UG/M3		
		TRICHLOROETHENE	42.88 UG/M3		
385-S05-168 ABS03 S05-DGS-SG21-SG-2. 2.20 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.587 %		
		NITROGEN	77.95 %		
		OXYGEN	21.46 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.587 %		
		NITROGEN	77.95 %		
		OXYGEN	21.46 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	10496.65 UG/M3		
		1,1-DICHLOROETHANE	14168.19 UG/M3		
		1,1-DICHLOROETHENE	6744.18 UG/M3		
		BENZENE	42.11 UG/M3		
		M & P-XYLENE	61.66 UG/M3		
		TETRACHLOROETHENE	618.89 UG/M3		
		TOLUENE	139.73 UG/M3		
		TRICHLOROETHENE	1322.63 UG/M3		
385-S05-169 ABS03 S05-DGS-SG21-SG-4. 4.20 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.598 %		
		NITROGEN	78.00 %		
		OXYGEN	21.40 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.598 %		
		NITROGEN	78.00 %		
		OXYGEN	21.40 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	6019.92 UG/M3		
		1,1-DICHLOROETHANE	7969.55 UG/M3		
		1,1-DICHLOROETHENE	3731.46 UG/M3		
		M & P-XYLENE	64.98 UG/M3		
		TETRACHLOROETHENE	392.75 UG/M3		
		TOLUENE	179.60 UG/M3		
		TRICHLOROETHENE	744.99 UG/M3		
385-S05-170 ABS03 S05-DGS-SG21-SG-6. 6.20 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.524 %		
		NITROGEN	78.05 %		
		OXYGEN	21.43 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.524 %		
		NITROGEN	78.05 %		
		OXYGEN	21.43 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	8147.10 UG/M3		
		1,1-DICHLOROETHANE	11254.79 UG/M3		
		1,1-DICHLOROETHENE	6457.38 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-170 ABS03 S05-DGS-SG21-SG-6. 6.20 - 0.00	VOCS BY TO14	BENZENE	37.18 UG/M3		
		CIS-1,2-DICHLOROETHENE	31.33 UG/M3		
		M & P-XYLENE	91.62 UG/M3		
		TETRACHLOROETHENE	417.03 UG/M3		
		TOLUENE	294.85 UG/M3		
		TRICHLOROETHENE	1024.75 UG/M3		
385-S05-950 ABS01 S05-DGS-FB-1 0.00 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.048 %		
		NITROGEN	77.41 %		
		OXYGEN	22.55 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.048 %		
		NITROGEN	77.41 %		
		OXYGEN	22.55 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	50.48 UG/M3		
		1,1-DICHLOROETHANE	6.15 UG/M3		
		1,1-DICHLOROETHENE	4.14 UG/M3		
		1,2-DICHLOROETHANE	2.59 UG/M3		
		BENZENE	2.76 UG/M3		
		CHLOROMETHANE	1.69 UG/M3		
		CIS-1,2-DICHLOROETHENE	1.38 UG/M3		
		ETHYLBENZENE	31.76 UG/M3		
		M & P-XYLENE	200.86 UG/M3		
		O-XYLENE	64.29 UG/M3		
		TETRACHLOROETHENE	16.26 UG/M3		
		TOLUENE	137.52 UG/M3		
		TRICHLOROETHENE	132.64 UG/M3		
385-S05-951 ABS02 S05-DGS-SG15-SG-6. 6.20 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.045 %		
		NITROGEN	77.78 %		
		OXYGEN	22.17 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.045 %		
		NITROGEN	77.78 %		
		OXYGEN	22.17 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	40.43 UG/M3		
		CIS-1,2-DICHLOROETHENE	20.28 UG/M3		
		ETHYLBENZENE	14.50 UG/M3		
		M & P-XYLENE	56.41 UG/M3		
		O-XYLENE	17.78 UG/M3		
		TETRACHLOROETHENE	26.04 UG/M3		
		TOLUENE	110.05 UG/M3		
		TRICHLOROETHENE	346.15 UG/M3		
385-S05-952 ABS03 S05-DGS-SG18-SG-4. 4.30 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	.525 %		
		NITROGEN	77.83 %		
		OXYGEN	21.64 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	.525 %		
		NITROGEN	77.83 %		
		OXYGEN	21.64 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	5087.02 UG/M3		
		1,1-DICHLOROETHANE	5073.11 UG/M3		
		1,1-DICHLOROETHENE	3101.78 UG/M3		
		1,2-DICHLOROETHANE	251.02 UG/M3		
		BENZENE	12.28 UG/M3		
		CHLOROETHANE	75.58 UG/M3		
		ETHYLBENZENE	16.66 UG/M3		
		M & P-XYLENE	71.48 UG/M3		
		O-XYLENE	19.43 UG/M3		
		TETRACHLOROETHENE	203.01 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-952 ABS03 S05-DGS-SG18-SG-4. 4.30 - 0.00	VOCS BY TO14	TOLUENE TRICHLOROETHENE	184.40 UG/M3 583.92 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-041 ADP09 S05-DGS-DP14-SO-0 0.00 - 0.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 11.1 %MST	-	-
385-S05-042 ADP09 S05-DGS-DP14-SO-5 5.00 - 5.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 16.5 %MST	-	-
385-S05-043 ADP09 S05-DGS-DP14-SO-11 11.00 - 11.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 17.9 %MST	-	-
385-S05-045 ADP08 S05-DGS-DP17-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	34.7 MG/KG 7.5 %MST		
385-S05-046 ADP08 S05-DGS-DP17-SO-5 5.00 - 5.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	266 MG/KG 16.3 %MST		
385-S05-048 ADP08 S05-DGS-DP18-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	147 MG/KG 16.6 %MST		
385-S05-049 ADP08 S05-DGS-DP18-SO-5 5.00 - 0.00	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	21.3 MG/KG 16.1 %MST		
385-S05-051 ADP15 S05-DGS-DP19-SO-0 0.00 - 0.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 4.5 %MST	-	-
385-S05-052 ADP15 S05-DGS-DP19-SO-4. 4.50 - 5.00	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	4.6 MG/KG 18.6 %MST		
385-S05-053 ADP15 S05-DGS-DP19-SO-10 10.00 - 10.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	0.83 MG/KG 17.4 %MST	J	g
385-S05-055 ADP06 S05-DGS-DP20-SO-1. 1.50 - 2.00	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 2.4 %MST	-	-
385-S05-056 ADP06 S05-DGS-DP20-SO-5 5.00 - 5.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 7.6 %MST	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-057 ADP06 S05-DGS-DP20-SO-10 10.00 - 10.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	0.84 MG/KG 12.5 %MST	J	g
385-S05-171 ADP46 S05-DGS-DP33-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 7.5 %MST	-	-
385-S05-172 ADP46 S05-DGS-DP33-SO-5 5.00 - 5.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM PERCENT MOISTURE	26.1 MG/KG 16.5 %MST		
385-S05-173 ADP46 S05-DGS-DP33-SO-10 10.00 - 10.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 18.2 %MST	-	-
385-S05-174 ADP46 S05-DGS-DP32-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 6.0 %MST	-	-
385-S05-175 ADP46 S05-DGS-DP32-SO-5 5.00 - 5.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 6.5 %MST	-	-
385-S05-176 ADP46 S05-DGS-DP32-SO-10 0.00 - 10.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 16.2 %MST	-	-
385-S05-177 ADP46 S05-DGS-DP31-SO-0. 0.50 - 1.00	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 4.7 %MST	-	-
385-S05-178 ADP46 S05-DGS-DP31-SO-5 5.00 - 5.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 16.2 %MST	-	-
385-S05-179 ADP46 S05-DGS-DP31-SO-10 10.00 - 10.50	METALS (TOTAL) PERCENT MOISTURE	- PERCENT MOISTURE	- 16.9 %MST	-	-
385-S05-219 ADP77 S05-DGS-DP50-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.5 %MST	-	-
385-S05-220 ADP77 S05-DGS-DP50-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.6 %MST	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-221 ADP77 S05-DGS-DP51-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 14.6 %MST	-	-
385-S05-222 ADP77 S05-DGS-DP51-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 14.6 %MST	-	-
385-S05-223 ADP77 S05-DGS-DP52-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.6 %MST	-	-
385-S05-224 ADP77 S05-DGS-DP52-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.8 %MST	-	-
385-S05-225 ADP77 S05-DGS-DP53-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 12.7 %MST	-	-
385-S05-226 ADP77 S05-DGS-DP53-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.2 %MST	-	-
385-S05-227 ADP77 S05-DGS-DP54-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.7 %MST	-	-
385-S05-228 ADP77 S05-DGS-DP54-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.6 %MST	-	-
385-S05-229 ADP77 S05-DGS-DP55-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	1.5 MG/KG 16.4 %MST		
385-S05-230 ADP77 S05-DGS-DP55-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	97.0 MG/KG 17.2 %MST		
385-S05-231 ADP77 S05-DGS-DP56-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	1.8 MG/KG 15.1 %MST		
385-S05-232 ADP77 S05-DGS-DP56-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	8.6 MG/KG 17.3 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-233 ADP77 S05-DGS-DP57-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	15.7 MG/KG 15.4 %MST		
385-S05-234 ADP77 S05-DGS-DP57-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	7.9 MG/KG 16.0 %MST		
385-S05-235 ADP79 S05-DGS-DP58-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	1.1 MG/KG 14.9 %MST	J	g
385-S05-236 ADP79 S05-DGS-DP58-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 17.9 %MST	-	-
385-S05-237 ADP79 S05-DGS-DP59-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 16.7 %MST	-	-
385-S05-238 ADP79 S05-DGS-DP59-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	- MOISTURE	- 19.4 %MST	-	-
385-S05-239 ADP79 S05-DGS-DP60-SO-6 6.00 - 6.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	3.0 MG/KG 16.6 %MST		
385-S05-240 ADP79 S05-DGS-DP60-SO-8 8.00 - 8.50	METALS (TOTAL) PERCENT MOISTURE	CADMIUM MOISTURE	4.5 MG/KG 16.5 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-001	CLP VOA	1,1-DICHLOROETHANE	11 UG/L		
ADP11		1,1-DICHLOROETHENE	0.6 UG/L	J	g
S05-DGS-DP15-GW-14		1,2-DICHLOROBENZENE	5 UG/L		
14.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	8 UG/L		
		1,4-DICHLOROBENZENE	2 UG/L		
		2-BUTANONE	18 UG/L	J	f
		4-METHYL-2-PENTANONE	0.5 UG/L	J	f,g
		CHLOROBENZENE	2 UG/L	J	g
		TRICHLOROETHENE	0.7 UG/L	J	g
		VINYL CHLORIDE	2 UG/L		
385-S05-002	CLP VOA	1,1,1-TRICHLOROETHANE	250 UG/L	J	h
ADP11		1,1-DICHLOROETHANE	17000 UG/L		
S05-DGS-DP14-GW-14		1,1-DICHLOROETHENE	690 UG/L		
14.00 - 0.00		1,2-DICHLOROBENZENE	1 UG/L	J	g
		1,2-DICHLOROETHANE	15 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	8 UG/L		
		1,4-DICHLOROBENZENE	0.5 UG/L	J	g
		2-BUTANONE	43 UG/L	J	f
		BENZENE	0.5 UG/L	J	g
		CHLOROETHANE	1500 UG/L		
		CHLOROFORM	7 UG/L		
		TETRACHLOROETHENE	0.4 UG/L	J	g
		TOLUENE	1 UG/L	J	g
		TRICHLOROETHENE	12 UG/L		
		VINYL CHLORIDE	88 UG/L	J	h
		XYLENE (TOTAL)	0.3 UG/L	J	g
385-S05-003	CLP VOA	1,1,1-TRICHLOROETHANE	28 UG/L		
ADP11		1,1-DICHLOROETHANE	11000 UG/L		
S05-DGS-DP16-GW-14		1,1-DICHLOROETHENE	530 UG/L		
14.00 - 0.00		1,2-DICHLOROBENZENE	5 UG/L		
		1,2-DICHLOROETHANE	6 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	14 UG/L		
		1,4-DICHLOROBENZENE	1 UG/L	J	g
		2-BUTANONE	18 UG/L	J	f
		BENZENE	0.4 UG/L	J	g
		CHLOROBENZENE	0.6 UG/L	J	g
		CHLOROETHANE	390 UG/L	J	h
		CHLOROFORM	3 UG/L		
		TETRACHLOROETHENE	0.4 UG/L	J	g
		TOLUENE	0.4 UG/L	J	g
		TRICHLOROETHENE	10 UG/L		
		VINYL CHLORIDE	100 UG/L	J	h
385-S05-004	CLP VOA	1,1,1-TRICHLOROETHANE	28000 UG/L		
ADP12		1,1-DICHLOROETHANE	7400 UG/L	J	a
S05-DGS-DP11-GW-9		1,1-DICHLOROETHENE	11000 UG/L	J	a
9.00 - 0.00		1,2-DICHLOROETHANE	420 UG/L	J	a
		1,2-DICHLOROETHENE (TOTAL)	320 UG/L	J	a,g
		2-HEXANONE	180 UG/L	J	a,f,g
		CHLOROETHANE	490 UG/L	J	a,g
		TOLUENE	130 UG/L	J	a,g
		TRICHLOROETHENE	140 UG/L	J	a,g
		VINYL CHLORIDE	400 UG/L	J	a
385-S05-005	CLP VOA	1,1-DICHLOROETHANE	9 UG/L		
ADP12		1,1-DICHLOROETHENE	8 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-005	CLP VOA	1,2-DICHLOROBENZENE	0.4 UG/L	J	g
ADP12		1,2-DICHLOROETHENE (TOTAL)	18 UG/L		
S05-DGS-DP12-GW-9		BENZENE	1 UG/L		
9.00 - 0.00		CHLOROETHANE	0.6 UG/L	J	g
		CHLOROFORM	2 UG/L	J	g
		TETRACHLOROETHENE	0.6 UG/L	J	g
		TRICHLOROETHENE	11 UG/L		
		VINYL CHLORIDE	0.4 UG/L	J	g
385-S05-006	CLP VOA	1,1,1-TRICHLOROETHANE	3 UG/L		
ADP14		1,1-DICHLOROETHANE	14 UG/L		
S05-DGS-DP10-GW-9		1,1-DICHLOROETHENE	13 UG/L		
9.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	6 UG/L		
		CHLOROETHANE	5 UG/L		
		TETRACHLOROETHENE	0.9 UG/L	J	g
		TOLUENE	0.5 UG/L	J	g
		TRICHLOROETHENE	15 UG/L		
385-S05-008	CLP VOA	1,1,1-TRICHLOROETHANE	140 UG/L	J	a
ADP16		1,1-DICHLOROETHANE	290 UG/L	J	a
S05-DGS-DP07-GW-9		1,1-DICHLOROETHENE	670 UG/L	J	a
9.00 - 0.00		1,2-DICHLOROETHANE	13 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	12 UG/L		
		2-BUTANONE	6 UG/L	J	f
		4-METHYL-2-PENTANONE	0.4 UG/L	J	f,g
		BENZENE	7 UG/L		
		CHLOROETHANE	23 UG/L		
		TETRACHLOROETHENE	0.5 UG/L	J	g
		TOLUENE	0.8 UG/L	J	g
		TRICHLOROETHENE	13 UG/L		
		VINYL CHLORIDE	40 UG/L		
		XYLENE (TOTAL)	0.5 UG/L	J	g
`85-S05-009	CLP VOA	1,1-DICHLOROETHANE	120 UG/L	J	a
DP16		1,1-DICHLOROETHENE	210 UG/L	J	a
S05-DGS-DP08-GW-9		1,2-DICHLOROETHANE	2 UG/L		
9.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	24 UG/L		
		2-BUTANONE	8 UG/L	J	f
		BENZENE	1 UG/L		
		CHLOROETHANE	2 UG/L		
		TETRACHLOROETHENE	0.6 UG/L	J	g
		TOLUENE	1 UG/L	J	g
		TRICHLOROETHENE	34 UG/L		
		VINYL CHLORIDE	22 UG/L		
		XYLENE (TOTAL)	0.9 UG/L	J	g
385-S05-010	CLP VOA	1,1,1-TRICHLOROETHANE	0.4 UG/L	J	a,g
ADP15		1,1-DICHLOROETHANE	84 UG/L		
S05-DGS-DP06-GW-7		1,1-DICHLOROETHENE	5 UG/L	J	a
7.00 - 0.00		1,2-DICHLOROETHANE	0.6 UG/L	J	a
		1,2-DICHLOROETHENE (TOTAL)	120 UG/L		
		BENZENE	0.8 UG/L	J	a
		CARBON DISULFIDE	0.6 UG/L	J	a,g
		METHYL TERT BUTYL ETHER	0.3 UG/L	J	a,g
		TETRACHLOROETHENE	1 UG/L	J	a,g
		TOLUENE	1 UG/L	J	a,g
		TRICHLOROETHENE	73 UG/L		
		VINYL CHLORIDE	1 UG/L	J	a

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-010 ADP15 S05-DGS-DP06-GW-7 7.00 - 0.00	CLP VOA	XYLENE (TOTAL)	1 UG/L	J	a,g
385-S05-011 ADP18 S05-DGS-DP01-GW-10 10.00 - 0.00	CLP VOA	1,1,1-TRICHLOROETHANE	760 UG/L		
		1,1-DICHLOROETHANE	3900 UG/L		
		1,1-DICHLOROETHENE	310 UG/L		
		1,2-DICHLOROBENZENE	2 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	930 UG/L		
		1,3-DICHLOROBENZENE	0.4 UG/L	J	g
		1,4-DICHLOROBENZENE	0.4 UG/L	J	g
		BENZENE	2 UG/L		
		BROMODICHLOROMETHANE	4 UG/L		
		CHLOROETHANE	970 UG/L		
		CHLOROFORM	4 UG/L		
		ETHYLBENZENE	0.7 UG/L	J	g
		TETRACHLOROETHENE	24 UG/L		
		TOLUENE	8 UG/L		
		TRICHLOROETHENE	1700 UG/L		
		VINYL CHLORIDE	540 UG/L		
		XYLENE (TOTAL)	2 UG/L		
385-S05-044 ADP09 S05-DGS-DP14-GW-7 7.00 - 0.00	METALS (TOTAL)	CADMIUM	7.8 UG/L		
		CHROMIUM	138 UG/L		
	HEXAVALENT CHROMIUM	-	-	-	-
	CYANIDE	CYANIDE	170 UG/L		
385-S05-047 ADP08 S05-DGS-DP17-GW-5 5.00 - 7.00	METALS (TOTAL)	CADMIUM	10.7 UG/L		
		CHROMIUM	79.1 UG/L		
	HEXAVALENT CHROMIUM	-	-	-	-
	CYANIDE	-	-	-	-
385-S05-050 ADP08 S05-DGS-DP18-GW-3 3.00 - 4.00	METALS (TOTAL)	CADMIUM	189 UG/L		
		CHROMIUM	12.6 UG/L		
	HEXAVALENT CHROMIUM	-	-	-	-
	CYANIDE	-	-	-	-
385-S05-054 ADP15 S05-DGS-DP19-GW-8 8.00 - 0.00	HEXAVALENT CHROMIUM BY 719	-	-	-	-
	METALS (TOTAL)	CADMIUM	21.0 UG/L		
		CHROMIUM	71.8 UG/L		
	HEXAVALENT CHROMIUM	-	-	-	-
	CYANIDE	CYANIDE	130 UG/L		
385-S05-058 ADP06 S05-DGS-DP20-GW-8 8.00 - 0.00	METALS (TOTAL)	CADMIUM	14.7 UG/L		
		CHROMIUM	109 UG/L		
	HEXAVALENT CHROMIUM	-	-	-	-
	CYANIDE	CYANIDE	480 UG/L		
385-S05-059 AAL01 S05-DGS-DP21-GW-6 6.00 - 8.00	VOA 8260	1,1-DICHLOROETHANE	0.9 UG/L	J	g
		CIS-1,2-DICHLOROETHENE	1.3 UG/L		
		ETHYLBENZENE	1 UG/L		
		M,P-XYLENES	5 UG/L		
		O-XYLENE	1.8 UG/L		
		TOLUENE	6.7 UG/L		
		TRANS-1,2-DICHLOROETHENE	2.1 UG/L		
385-S05-060	VOA 8260	1,1-DICHLOROETHANE	0.7 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-060 AAL01 S05-DGS-DP21-GW-11 11.00 - 13.00	VOA 8260	BENZENE ETHYLBENZENE M,P-XYLENES O-XYLENE TOLUENE	2 UG/L 1.1 UG/L 5.1 UG/L 1.7 UG/L 8.9 UG/L		
385-S05-061 AAL01 S05-DGS-DP21-GW-16 16.00 - 18.00	VOA 8260	BENZENE M,P-XYLENES TOLUENE	0.9 UG/L 1.2 UG/L 1.9 UG/L	J	g
385-S05-062 AAL01 S05-DGS-DP22-GW-6 6.00 - 8.00	VOA 8260	CIS-1,2-DICHLOROETHENE ETHYLBENZENE M,P-XYLENES O-XYLENE TOLUENE TRANS-1,2-DICHLOROETHENE	1.3 UG/L 1.1 UG/L 5.3 UG/L 1.9 UG/L 6 UG/L 1.4 UG/L		
385-S05-063 AAL01 S05-DGS-DP22-GW-11 11.00 - 13.00	VOA 8260	1,1-DICHLOROETHANE BENZENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	0.7 UG/L 0.5 UG/L 1.6 UG/L 2.2 UG/L 2.7 UG/L 8.4 UG/L	J J	g g
385-S05-063A ADP38 S05-DGS-DP22-GW-11 11.00 - 13.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE ETHYLBENZENE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	0.8 UG/L 5 UG/L 0.8 UG/L 0.4 UG/L 3 UG/L 16 UG/L 2 UG/L	J J J J J J J	a a a a,g a a a
385-S05-064 AL01 S05-DGS-DP22-GW-16 16.00 - 18.00	VOA 8260	BENZENE M,P-XYLENES TOLUENE VINYL CHLORIDE	4.2 UG/L 1.8 UG/L 2.9 UG/L 1.4 UG/L		
385-S05-065 AAL01 S05-DGS-DP23-GW-6 6.00 - 8.00	VOA 8260	1,1-DICHLOROETHANE CHLOROETHANE M,P-XYLENES O-XYLENE TOLUENE VINYL CHLORIDE	33 UG/L 2 UG/L 3.2 UG/L 1.2 UG/L 4.1 UG/L 0.6 UG/L	 J	 g
385-S05-066 AAL01 S05-DGS-DP23-GW-11 11.00 - 13.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE CHLOROETHANE M,P-XYLENES TOLUENE VINYL CHLORIDE	490 UG/L 8.6 UG/L 1.3 UG/L 17 UG/L 2.6 UG/L 4.2 UG/L 6.5 UG/L		
385-S05-067 AAL01 S05-DGS-DP23-GW-16 16.00 - 18.00	VOA 8260	M,P-XYLENES TOLUENE	1.7 UG/L 3 UG/L		
385-S05-068	VOA 8260	1,1-DICHLOROETHANE	7.4 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-068 AAL01 S05-DGS-DP24-GW-6 6.00 - 8.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE M,P-XYLENES TOLUENE	1.6 UG/L 8.3 UG/L 1.4 UG/L 2.3 UG/L 1.2 UG/L 2.2 UG/L		
385-S05-068A ADP37 S05-DGS-DP24-GW-6 6.00 - 8.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE CHLOROBENZENE CHLOROETHANE ETHYLBENZENE TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	9 UG/L 2 UG/L 7 UG/L 0.8 UG/L 1 UG/L 2 UG/L 0.4 UG/L 0.3 UG/L 3 UG/L 0.4 UG/L 2 UG/L	 J J J J J J	
385-S05-069 AAL01 S05-DGS-DP24-GW-11 11.00 - 13.00	VOA 8260	1,1-DICHLOROETHANE 1,2-DICHLOROBENZENE BENZENE CHLOROBENZENE CHLOROETHANE CIS-1,2-DICHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE	6.8 UG/L 3 UG/L 0.8 UG/L 3.1 UG/L 4 UG/L 1.9 UG/L 1.8 UG/L 1.1 UG/L	 J 	 g
385-S05-070 AAL01 S05-DGS-DP24-GW-15 15.00 - 17.00	VOA 8260	1,1-DICHLOROETHANE 1,2-DICHLOROBENZENE BENZENE CHLOROBENZENE CHLOROETHANE M,P-XYLENES TOLUENE	0.7 UG/L 2.6 UG/L 0.8 UG/L 2.7 UG/L 4.8 UG/L 1.1 UG/L 2.1 UG/L	J J 	g g
385-S05-071 AAL02 S05-DGS-DP25-GW-9 9.00 - 0.00	VOA 8260	-	-	-	-
385-S05-072 AAL02 S05-DGS-DP25-GW-14 14.00 - 0.00	VOA 8260	-	-	-	-
385-S05-072A ADP35 S05-DGS-DP25-GW-14 14.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROBENZENE CARBON DISULFIDE TOLUENE XYLENE (TOTAL)	0.4 UG/L 0.3 UG/L 0.4 UG/L 1 UG/L 1 UG/L	J J J J J	g g g g g
385-S05-073 AAL02 S05-DGS-DP25-GW-19 19.00 - 0.00	VOA 8260	-	-	-	-
385-S05-074	METALS (TOTAL)	CHROMIUM	2.7 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-074 ADP35 S05-DGS-DP26-GW-7 7.00 - 9.00	CYANIDE	-	-	-	-
385-S05-075 ADP35 S05-DGS-DP27-GW-9 9.00 - 0.00	METALS (TOTAL) CYANIDE	CHROMIUM -	3.3 UG/L -	J -	g -
385-S05-076 AAL01 S05-DGS-DP28-GW-8 8.00 - 10.00	TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- GASOLINE RANGE ORGANICS	- 110 UG/L	- J	- c,z
385-S05-077 AAL02 S05-DGS-M05-04-GW- 5.00 - 7.00	VOA 8260	1,1,1-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	27 UG/L 39 UG/L 3.3 UG/L 16 UG/L 2.1 UG/L 150 UG/L 0.7 UG/L	 J	 g
385-S05-078 AAL02 S05-DGS-M05-04-GW- 7.00 - 9.00	VOA 8260	-	-	-	-
385-S05-078A ADP26 S05-DGS-M05-04-GW- 7.00 - 9.00	CLP VOA	1,1,1-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) CHLOROFORM TETRACHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	11 UG/L 29 UG/L 4 UG/L 18 UG/L 2 UG/L 0.9 UG/L 62 UG/L 4 UG/L	 J J	 g g
385-S05-079 AAL02 S05-DGS-M05-04-GW- 9.00 - 11.00	VOA 8260	-	-	-	-
385-S05-080 AAL02 S05-DGS-M05-04-GW- 11.00 - 13.00	VOA 8260	-	-	-	-
385-S05-081 AAL02 S05-DGS-M05-04-GW- 13.00 - 15.00	VOA 8260	-	-	-	-
385-S05-083 ADP19 S05-DGS-M05-07-GW- 7.00 - 9.00	CLP VOA	1,1,1-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) CHLOROETHANE TETRACHLOROETHENE	8 UG/L 48 UG/L 0.6 UG/L 1 UG/L 15 UG/L 0.5 UG/L	 J J J	 g g g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-083	CLP VOA	TOLUENE	0.4 UG/L	J	g
ADP19		TRICHLOROETHENE	7 UG/L		
S05-DGS-M05-07-GW-		VINYL CHLORIDE	3 UG/L		
7.00 - 9.00					
385-S05-084	CLP VOA	1,1,1-TRICHLOROETHANE	3 UG/L		
ADP19		1,1-DICHLOROETHANE	74 UG/L		
S05-DGS-M05-07-GW-		1,1-DICHLOROETHENE	2 UG/L	J	g
9.00 - 11.00		1,2-DICHLOROETHENE (TOTAL)	10 UG/L		
		CARBON DISULFIDE	0.4 UG/L	J	g
		CHLOROETHANE	80 UG/L		
		TETRACHLOROETHENE	0.8 UG/L	J	g
		TOLUENE	1 UG/L	J	g
		TRICHLOROETHENE	10 UG/L		
		VINYL CHLORIDE	11 UG/L		
385-S05-085	CLP VOA	1,1,1-TRICHLOROETHANE	3 UG/L		
ADP19		1,1-DICHLOROETHANE	79 UG/L		
S05-DGS-M05-07-GW-		1,1-DICHLOROETHENE	2 UG/L	J	g
11.00 - 13.00		1,2-DICHLOROETHENE (TOTAL)	11 UG/L		
		BENZENE	1 UG/L		
		CHLOROETHANE	100 UG/L		
		TETRACHLOROETHENE	0.8 UG/L	J	g
		TOLUENE	1 UG/L	J	g
		TRICHLOROETHENE	11 UG/L		
		VINYL CHLORIDE	11 UG/L		
385-S05-086	CLP VOA	1,1-DICHLOROETHANE	220 UG/L		
ADP19		1,2-DICHLOROETHENE (TOTAL)	0.7 UG/L	J	g
S05-DGS-M05-07-GW-		1,2-DICHLOROPROPANE	0.6 UG/L	J	g
13.00 - 15.00		BENZENE	20 UG/L		
		CARBON DISULFIDE	1 UG/L	J	g
		CHLOROETHANE	440 UG/L		
		ETHYLBENZENE	0.6 UG/L	J	g
		STYRENE	0.3 UG/L	J	g
		TOLUENE	2 UG/L		
		XYLENE (TOTAL)	0.9 UG/L	J	g
385-S05-087	CLP VOA	1,1-DICHLOROETHANE	200 UG/L		
ADP19		1,2-DICHLOROETHENE (TOTAL)	0.6 UG/L	J	g
S05-DGS-M05-07-GW-		1,2-DICHLOROPROPANE	0.5 UG/L	J	g
15.00 - 17.00		BENZENE	19 UG/L		
		CHLOROETHANE	470 UG/L		
		ETHYLBENZENE	0.5 UG/L	J	g
		TOLUENE	2 UG/L		
		XYLENE (TOTAL)	0.7 UG/L	J	g
385-S05-102	CLP VOA	CARBON DISULFIDE	0.3 UG/L	J	g
ADP23	SVOA	-	-	-	-
S05-DGS-M05-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-103	CLP VOA	1,1-DICHLOROETHANE	0.9 UG/L		
ADP23		1,2-DICHLOROETHENE (TOTAL)	6 UG/L		
S05-DGS-M05-02-GW		CHLOROFORM	0.3 UG/L	J	g
0.00 - 0.00		TETRACHLOROETHENE	0.9 UG/L	J	g
		TRICHLOROETHENE	3 UG/L		
		VINYL CHLORIDE	2 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-103	SVOA	-	-	-	-
ADP23	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S05-DGS-M05-02-GW	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00					
385-S05-104	VOA 8260	1,2,4-TRIMETHYLBENZENE	5000 UG/L		
ADP24		ISOPROPYLBENZENE	5000 UG/L		
S05-DGS-M05-03-GW		NAPHTHALENE	11000 UG/L		
0.00 - 0.00		PARA-ISOPROPYL TOLUENE	7000 UG/L		
		SEC-BUTYLBENZENE	6000 UG/L		
		XYLENES (TOTAL)	13000 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	486000 MG/L	J	a
385-S05-105	CLP VOA	1,1,1-TRICHLOROETHANE	1 UG/L	J	g
ADP26		1,1-DICHLOROETHANE	5 UG/L		
S05-DGS-M05-04-GW		1,1-DICHLOROETHENE	1 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	4 UG/L		
		CHLOROETHANE	12 UG/L	J	f
		TRICHLOROETHENE	9 UG/L		
		VINYL CHLORIDE	1 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.22 MG/L	DM	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-106	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP25		1,2-DICHLOROETHENE (TOTAL)	4 UG/L		
S05-DGS-M05-05-GW		BENZENE	0.4 UG/L	J	g
0.00 - 0.00		CHLOROETHANE	0.4 UG/L	J	g
		TRICHLOROETHENE	0.7 UG/L	J	g
		VINYL CHLORIDE	20 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
85-S05-107	CLP VOA	-	-	-	-
ADP25	SVOA	-	-	-	-
S05-DGS-M05-06-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	J	z
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.12 MG/L	J	z
385-S05-108	CLP VOA	1,1,1-TRICHLOROETHANE	2 UG/L	J	g
ADP25		1,1-DICHLOROETHANE	130 UG/L		
S05-DGS-M05-07-GW		1,1-DICHLOROETHENE	2 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	10 UG/L	J	g
		BENZENE	3 UG/L	J	d
		CHLOROETHANE	130 UG/L	J	f
		TRICHLOROETHENE	8 UG/L	J	d,g
		VINYL CHLORIDE	12 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.34 MG/L	D	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.14 MG/L	J	z
385-S05-109	CLP VOA	-	-	-	-
ADP25	SVOA	-	-	-	-
S05-DGS-M05-08-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-110	CLP VOA	-	-	-	-
ADP23	SVOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-110	TPH EXTRACTABLES (DIESEL)	-	-	-	-
ADP23	TPH PURGEABLES (GASOLINE)	-	-	-	-
S05-DGS-M05-09-GW					
0.00 - 0.00					
385-S05-111	CLP VOA	1,1,1-TRICHLOROETHANE	0.4 UG/L	J	g
ADP23		1,1-DICHLOROETHANE	63 UG/L		
S05-DGS-M05-10-GW		1,1-DICHLOROETHENE	3 UG/L		
0.00 - 0.00		1,2-DICHLOROBENZENE	0.7 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	2 UG/L	J	g
		CHLOROETHANE	130 UG/L	J	a
		TRICHLOROETHENE	2 UG/L	J	g
		VINYL CHLORIDE	2 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.21 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.05 MG/L	J	z
385-S05-112	CLP VOA	1,1-DICHLOROETHANE	0.4 UG/L	J	g
ADP23		1,2-DICHLOROETHENE (TOTAL)	5 UG/L		
S05-DGS-M05-11-GW		BENZENE	2 UG/L		
0.00 - 0.00		VINYL CHLORIDE	1 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	D	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
385-S05-113	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP23		1,2-DICHLOROETHANE	0.3 UG/L	J	g
S05-DGS-M05-12-GW		1,2-DICHLOROETHENE (TOTAL)	0.9 UG/L	J	g
0.00 - 0.00		BENZENE	0.9 UG/L		
		CHLOROETHANE	5 UG/L		
		VINYL CHLORIDE	0.5 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	D	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-114	CLP VOA	1,1-DICHLOROETHANE	10 UG/L		
ADP26		1,2-DICHLOROBENZENE	0.4 UG/L	J	g
S05-DGS-M05BS-01-G		1,2-DICHLOROETHENE (TOTAL)	4 UG/L		
0.00 - 0.00		BENZENE	1 UG/L		
		CHLOROETHANE	8 UG/L	J	f
		VINYL CHLORIDE	83 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	D	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-115	CLP VOA	1,1,1-TRICHLOROETHANE	0.4 UG/L	J	g
ADP26		1,1-DICHLOROETHANE	12 UG/L		
S05-DGS-M05HW-01-G		1,1-DICHLOROETHENE	1 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROBENZENE	9 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	20 UG/L		
		1,4-DICHLOROBENZENE	4 UG/L		
		BENZENE	0.3 UG/L	J	g
		CHLOROMETHANE	0.4 UG/L	J	g
		TETRACHLOROETHENE	3 UG/L		
		TRICHLOROETHENE	16 UG/L		
		VINYL CHLORIDE	7 UG/L		
	SVOA	1,2-DICHLOROBENZENE	5 UG/L		
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.33 MG/L	DM	

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-115 ADP26 S05-DGS-M05HW-01-G 0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-116 ADP22 S05-DGS-D05-01-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - MOTOR OIL RANGE ORGANICS -	- - 0.1 MG/L -	- - M -	- - -
385-S05-117 ADP22 S05-DGS-D05-02-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - MOTOR OIL RANGE ORGANICS -	- - 0.1 MG/L -	- - M -	- - -
385-S05-118 ADP22 S05-DGS-D05-03-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	VINYL CHLORIDE - DIESEL RANGE ORGANICS -	1 UG/L - 0.2 MG/L -	 - D -	 - -
385-S05-121 AAL01 S05-DGS-VE01-GW-8 8.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S05-124 AAL01 S05-DGS-VE02-GW-5 5.00 - 6.50	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- DIESEL RANGE ORGANICS -	- 670 UG/L -	- -	- -
385-S05-125 ADP30 S05-DGS-OF-A-GWI .00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	CHLOROFORM MOTOR OIL RANGE ORGANICS -	0.5 UG/L 0.37 MG/L -	J M -	g -
385-S05-126 ADP32 S05-DGS-MH-7A-GWI 0.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	CHLOROFORM MOTOR OIL RANGE ORGANICS -	0.4 UG/L 0.74 MG/L -	J M -	g -
385-S05-127 AAL02 S05-DGS-MH-4B-GWI 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S05-128 AAL02 S05-DGS-MH-9D-GWI 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S05-129 AAL02 S06-DGS-MH-6G-18-G 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S05-130 AAL02 S05-DGS-MH-9G-GWI 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-131 AAL02 S05-DGS-CB-5Z-GWI 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S05-135 AAL02 S05-DGS-CB-1Z-GWI 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S05-180 AAL01 S05-DGS-DP37-GW-8 8.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	1.4 UG/L 1 UG/L 3.1 UG/L 2.6 UG/L		
385-S05-181 AAL01 S05-DGS-DP37-GW-12 12.00 - 0.00	VOA 8260	BENZENE CHLOROBENZENE TOLUENE TRANS-1,2-DICHLOROETHENE	4 UG/L 2.1 UG/L 1.4 UG/L 1.4 UG/L		
385-S05-182 AAL01 S05-DGS-DP37-GW-16 16.00 - 0.00	VOA 8260	-	-	-	-
385-S05-183 AAL01 S05-DGS-DP36-GW-8 8.00 - 10.00	VOA 8260	1,1-DICHLOROETHANE BENZENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	1.4 UG/L 0.5 UG/L 1.2 UG/L 2.5 UG/L 2.1 UG/L 0.6 UG/L	 J J	 g g
385-S05-184 AL01 05-DGS-DP36-GW-12 12.00 - 14.00	VOA 8260	BENZENE M,P-XYLENES TOLUENE	3.4 UG/L 1.4 UG/L 1.3 UG/L		
385-S05-185 AAL01 S05-DGS-DP36-GW-16 16.00 - 18.00	VOA 8260	BENZENE M,P-XYLENES TOLUENE	2.1 UG/L 1.4 UG/L 3 UG/L		
385-S05-186 AAL01 S05-DGS-DP34-GW-8 8.00 - 0.00	VOA 8260	TRICHLOROETHENE	1.7 UG/L		
385-S05-187 AAL01 S05-DGS-DP34-GW-12 12.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE BENZENE CHLOROBENZENE	1.4 UG/L 0.5 UG/L 1.1 UG/L	 J	 g
385-S05-188 AAL01 S05-DGS-DP34-GW-16 16.00 - 0.00	VOA 8260	BENZENE TOLUENE	1 UG/L 1.1 UG/L		
385-S05-188C	VOA 8260	1,1-DICHLOROETHANE	0.8 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-188C AAL01 S05-DGS-DP39-GW-16 16.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE CIS-1,2-DICHLOROETHENE	2.5 UG/L 1.6 UG/L		
385-S05-189 AAL01 S05-DGS-DP39-GW-11 11.00 - 13.00	VOA 8260	1,1-DICHLOROETHANE 1,2-DICHLOROETHANE	8 UG/L 2 UG/L		
385-S05-190 AAL01 S05-DGS-DP39-GW-16 16.00 - 18.00	VOA 8260	1,1-DICHLOROETHANE	0.7 UG/L	J	g
385-S05-191 AAL01 S05-DGS-DP38-GW-8 8.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRICHLOROETHENE	24 UG/L 5.3 UG/L 32 UG/L 1.9 UG/L 0.7 UG/L 13 UG/L 6.1 UG/L 1 UG/L 4.9 UG/L 3.2 UG/L	J	g
385-S05-192 AAL01 S05-DGS-DP38-GW-12 12.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE BENZENE CHLOROETHANE TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	1.6 UG/L 2.2 UG/L 3.6 UG/L 2.4 UG/L 1.7 UG/L 2.1 UG/L		
85-S05-193 AL01 S05-DGS-DP38-GW-16 16.00 - 0.00	VOA 8260	BENZENE TOLUENE	0.9 UG/L 3.4 UG/L	J	g
385-S05-194 AAL01 S05-DGS-DP35-GW-8 8.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE BENZENE TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	3.6 UG/L 1 UG/L 4.3 UG/L 10 UG/L 22 UG/L		
385-S05-195 AAL01 S05-DGS-DP35-GW-12 12.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE BENZENE CIS-1,2-DICHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	1.4 UG/L 4.4 UG/L 1.4 UG/L 2.5 UG/L 6 UG/L 2.5 UG/L		
385-S05-196 AAL01 S05-DGS-DP35-GW-16 16.00 - 0.00	VOA 8260	BENZENE TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	5.8 UG/L 3.7 UG/L 1.1 UG/L 2 UG/L		
385-S05-197 AAL01	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	6.4 UG/L 2.9 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-197 AAL01 S05-DGS-DP40-GW-10 10.00 - 12.00	VOA 8260	BENZENE CHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	1.3 UG/L 4.3 UG/L 15 UG/L 5.6 UG/L 4 UG/L		
385-S05-198 AAL01 S05-DGS-DP40-GW-15 15.00 - 17.00	VOA 8260	BENZENE NAPHTHALENE	6.5 UG/L 3.2 UG/L		
385-S05-199 AAL01 S05-DGS-DP40-GW-20 20.00 - 22.00	VOA 8260	-	-	-	-
385-S05-200 AAT01 S05-DGS-DP41-GW-8 8.00 - 10.00	VOA 8260	CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	60 UG/L 8.8 UG/L 800 UG/L	J J	c c
385-S05-201 AAT01 S05-DGS-DP41-GW-12 12.00 - 14.00	VOA 8260	TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	18 UG/L 65 UG/L		
385-S05-202 AAT01 S05-DGS-DP41-GW-16 16.00 - 18.00	VOA 8260	-	-	-	-
385-S05-203 AAT09 S05-DGS-DP42-GW-8 8.00 - 10.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	21 UG/L 5.5 UG/L 32 UG/L 0.6 UG/L 15 UG/L 6.9 UG/L 0.8 UG/L 1.4 UG/L 1.1 UG/L 1.0 UG/L		
385-S05-204 AAT09 S05-DGS-DP42-GW-12 12.00 - 14.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	19 UG/L 0.9 UG/L 5.2 UG/L 1.1 UG/L 6.3 UG/L 29 UG/L 0.7 UG/L 1.3 UG/L 4.3 UG/L 1.3 UG/L 20 UG/L		
385-S05-205 AAT07 S05-DGS-DP44-GW-9 9.00 - 0.00	VOA 8260	BENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	0.6 UG/L 0.9 UG/L 6.1 UG/L 30 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-206 AAT07 S05-DGS-DP44-GW-12 12.00 - 0.00	VOA 8260	BENZENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	2.7 UG/L 7.5 UG/L 0.8 UG/L		
385-S05-207 AAT07 S05-DGS-DP43-GW-9 9.00 - 0.00	VOA 8260	CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	70 UG/L 5.6 UG/L 20 UG/L 410 UG/L		
385-S05-208 AAT07 S05-DGS-DP43-GW-12 12.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE BENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	0.6 UG/L 3.1 UG/L 0.8 UG/L 14 UG/L 14 UG/L		
385-S05-209 AAT08 S05-DGS-DP45-GW-8 8.00 - 10.00	VOA 8260	CIS-1,2-DICHLOROETHENE VINYL CHLORIDE	23 UG/L 970 UG/L		
385-S05-210 AAT08 S05-DGS-DP45-GW-12 12.00 - 14.00	VOA 8260	1,1-DICHLOROETHANE BENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	2.9 UG/L 2.8 UG/L 3.3 UG/L 17 UG/L 80 UG/L		
385-S05-211 ADP71 S05-DGS-DP47-GW-8 8.00 - 10.00	CLP VOA	METHYL TERT BUTYL ETHER VINYL CHLORIDE	2 UG/L 0.5 UG/L	J	g
385-S05-212 DP71 ,05-DGS-DP47-GW-12 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) BENZENE	0.5 UG/L 2 UG/L	J	g
385-S05-213 ADP71 S05-DGS-DP48-GW-8 8.00 - 10.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE	2 UG/L 4 UG/L 0.4 UG/L 2 UG/L	 J	 g
385-S05-214 ADP71 S05-DGS-DP48-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE	1 UG/L 4 UG/L 5 UG/L 2 UG/L		
385-S05-215 ADP71 S05-DGS-DP46-GW-8 8.00 - 10.00	CLP VOA	CARBON DISULFIDE	0.6 UG/L	J	g
385-S05-216 ADP71 S05-DGS-DP46-GW-12 12.00 - 14.00	CLP VOA	-	-	-	-
385-S05-217	CLP VOA	1,1-DICHLOROETHANE	31 UG/L	J	a

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
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g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-217 ADP75 S05-DGS-DP49-GW-8 8.00 - 10.00	CLP VOA	1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) BENZENE METHYL TERT BUTYL ETHER TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	7 UG/L 5 UG/L 0.4 UG/L 0.7 UG/L 1 UG/L 4 UG/L 0.4 UG/L 1 UG/L	J J J J J J J J	a a a,g a,g a,g a a,f,g a,g
385-S05-218 ADP75 S05-DGS-DP49-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE METHYL TERT BUTYL ETHER TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	18 UG/L 4 UG/L 5 UG/L 0.4 UG/L 1 UG/L 22 UG/L 1 UG/L	J J J J J J J	a a a a,g a,g a,f a,g
385-S05-241 ADP88 S05-DGS-DP61-GW-8 8.00 - 0.00	METALS (TOTAL) CYANIDE	CHROMIUM -	2.6 UG/L -	J -	g -
385-S05-242 ADP88 S05-DGS-DP62-GW-8 8.00 - 0.00	METALS (TOTAL) CYANIDE	CHROMIUM -	3.8 UG/L -	J -	g -
385-S05-243 ADP88 S05-DGS-DP63-GW-8 8.00 - 0.00	METALS (TOTAL) CYANIDE	CHROMIUM TOTAL CYANIDE	4.6 UG/L 1090 UG/L	J	g
385-S05-244 DP88 ,05-DGS-DP64-GW-8 8.00 - 0.00	METALS (TOTAL) CYANIDE	- -	- -	- -	- -
385-S05-245 ADP88 S05-DGS-DP65-GW-8 8.00 - 0.00	METALS (TOTAL) CYANIDE	CHROMIUM TOTAL CYANIDE	6.6 UG/L 54.0 UG/L	J	g
385-S05-246 ADP88 S05-DGS-DP66-GW-8 8.00 - 0.00	METALS (TOTAL) CYANIDE	CHROMIUM TOTAL CYANIDE	17.0 UG/L 465 UG/L		
385-S05-901 ADP23 S05-DGS-M05-12-GWD 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE CHLOROETHANE VINYL CHLORIDE - DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS	2 UG/L 0.3 UG/L 0.8 UG/L 0.8 UG/L 4 UG/L 0.4 UG/L - 0.22 MG/L 0.03 MG/L	 J J J - D J	 g g g - g
385-S05-902	CLP VOA	1,1-DICHLOROETHANE	1 UG/L		

Validity (Qual) : J - Estimated concentration

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f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-902	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	6 UG/L		
ADP23		CHLOROFORM	0.3 UG/L	J	g
S05-DGS-M05-02-GWD		TETRACHLOROETHENE	0.9 UG/L	J	g
0.00 - 0.00		TRICHLOROETHENE	3 UG/L		
		VINYL CHLORIDE	3 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	D	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
385-S05-903	CLP VOA	1,1,1-TRICHLOROETHANE	0.3 UG/L	J	g
ADP26		1,1-DICHLOROETHANE	11 UG/L		
S05-DGS-M05HW-01-G		1,1-DICHLOROETHENE	0.9 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROBENZENE	8 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	19 UG/L		
		1,4-DICHLOROBENZENE	3 UG/L		
		BENZENE	0.3 UG/L	J	g
		CHLOROBENZENE	0.6 UG/L	J	g
		TETRACHLOROETHENE	3 UG/L		
		TRICHLOROETHENE	14 UG/L		
		VINYL CHLORIDE	6 UG/L		
	SVOA	1,2-DICHLOROBENZENE	5 UG/L	J	g
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.34 MG/L	DM	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S05-904	METALS (TOTAL)	-	-	-	-
ADP35	CYANIDE	-	-	-	-
S05-DGS-DP26-GW-7D					
7.00 - 9.00					
385-S05-909	METALS (TOTAL)	CADMIUM	25.3 UG/L		
ADP08		CHROMIUM	135 UG/L		
S05-DGS-DP17-GW-5D	HEXAVALENT CHROMIUM	-	-	-	-
5.00 - 7.00	CYANIDE	-	-	-	-
385-S05-910	CLP VOA	1,1,1-TRICHLOROETHANE	30000 UG/L		
ADP12		1,1-DICHLOROETHANE	5300 UG/L		
S05-DGS-DP11-GWDUP		1,1-DICHLOROETHENE	8400 UG/L		
9.00 - 0.00		1,2-DICHLOROETHANE	150 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	200 UG/L	J	g
		CHLOROETHANE	2700 UG/L		
		VINYL CHLORIDE	320 UG/L		
385-S05-911	CLP VOA	-	-	-	-
ADP11	METALS (DISSOLVED)	CADMIUM	0.25 UG/L	J	g
S05-DGS-FB-1		CHROMIUM	1.6 UG/L	J	g
0.00 - 0.00		IRON	40.4 UG/L	J	g
		MANGANESE	1.7 UG/L	J	g
		MERCURY	0.29 UG/L		
		SELENIUM	3.4 UG/L	J	g
		ZINC	11.8 UG/L	J	g
385-S05-912	METALS (TOTAL)	-	-	-	-
ADP08	HEXAVALENT CHROMIUM	-	-	-	-
S05-DGS-ER-1	CYANIDE	-	-	-	-
0.00 - 0.00					
385-S05-913	METALS (TOTAL)	CHROMIUM	3.4 UG/L	J	g
ADP09	HEXAVALENT CHROMIUM	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-913 ADP09 S05-DGS-ER-2 0.00 - 0.00	CYANIDE	-	-	-	-
385-S05-914 ADP12 S05-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S05-915 ADP22 S05-DGS-TB-2 0.00 - 0.00	CLP VOA	2-HEXANONE	0.6 UG/L	J	f,g
385-S05-916 ADP15 S05-DGS-ER-3 0.00 - 0.00	HEXAVALENT CHROMIUM BY 719	-	-	-	-
	CLP VOA	BROMODICHLOROMETHANE	2 UG/L	J	g
		CHLOROFORM	6 UG/L		
		DIBROMOCHLOROMETHANE	0.7 UG/L	J	g
	METALS (TOTAL)	CHROMIUM	1.5 UG/L	J	g
	HEXAVALENT CHROMIUM	-	-	-	-
	CYANIDE	-	-	-	-
385-S05-917 ADP23 S05-DGS-TB-4 0.00 - 0.00	CLP VOA	-	-	-	-
385-S05-918 ADP25 S05-DGS-TB-4 0.00 - 0.00	CLP VOA	2-HEXANONE	0.4 UG/L	J	f,g
35-S05-919 .DP26 S05-DGS-TB-5 0.00 - 0.00	CLP VOA	-	-	-	-
385-S05-920 ADP35 S05-DGS-TB-6 0.00 - 0.00	CLP VOA	-	-	-	-
385-S05-921 ADP38 S05-DGS-TB-7 0.00 - 0.00	CLP VOA	1,1,2-TRICHLOROETHANE	1 UG/L	J	g
		1,2-DICHLOROBENZENE	0.5 UG/L	J	g
		1,2-DICHLOROETHANE	0.9 UG/L		
		2-HEXANONE	3 UG/L	J	f
		4-METHYL-2-PENTANONE	3 UG/L	J	f
		BROMOFORM	1 UG/L	J	g
		CIS-1,3-DICHLOROPROPENE	0.3 UG/L	J	g
		DIBROMOCHLOROMETHANE	0.8 UG/L	J	g
		METHYL TERT BUTYL ETHER	2 UG/L	J	g
		TRANS-1,3-DICHLOROPROPENE	0.7 UG/L		
385-S05-922 ADP46 S05-DGS-ER-4 0.00 - 0.00	METALS (TOTAL)	CADMIUM	0.29 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S05 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S05-923 AAT09 S05-DGS-TB-8 0.00 - 0.00	VOA 8260	-	-	-	-
385-S05-924 AAT08 S05-DGS-TB-9 0.00 - 0.00	VOA 8260	-	-	-	-
385-S05-925 ADP71 S05-DGS-TB-10 0.00 - 0.00	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	1 UG/L 3 UG/L 0.5 UG/L	J J	g g
385-S05-926 ADP71 S05-DGS-DP48-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE	1 UG/L 3 UG/L 4 UG/L 2 UG/L	J J J J	a a a a
385-S05-927 ADP77 S05-DGS-ER-5 0.00 - 0.00	METALS (TOTAL)	-	-	-	-
385-S05-928 ADP88 S05-DGS-DP61-GW-8D 8.00 - 0.00	METALS (TOTAL) CYANIDE	- -	- -	- -	- -
385-S05-929 ADP88 S05-DGS-ER-6 .00 - 0.00	METALS (TOTAL) CYANIDE	- -	- -	- -	- -

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-033	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.649 %		
ABS06		NITROGEN	78.63 %		
S06-DGS-SG03-SG-2.		OXYGEN	19.72 %		
2.10 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.649 %		
		NITROGEN	78.63 %		
		OXYGEN	19.72 %		
	VOCS BY TO14	BENZENE	40.48 UG/M3		
		ETHYLBENZENE	44.07 UG/M3		
		M & P-XYLENE	236.73 UG/M3		
		O-XYLENE	51.62 UG/M3		
		TETRACHLOROETHENE	6103.94 UG/M3		
		TOLUENE	540.98 UG/M3		
		TRICHLOROETHENE	922.30 UG/M3		
385-S06-034	LANDFILL GASES BY D1945	NITROGEN	77.86 %		
ABS06		OXYGEN	22.14 %		
S06-DGS-SG03-SG-3.	LANDFILL GASES BY D1945H	NITROGEN	77.86 %		
3.50 - 0.00		OXYGEN	22.14 %		
	VOCS BY TO14	BENZENE	2.28 UG/M3		
		CHLOROMETHANE	1.01 UG/M3		
		M & P-XYLENE	5.13 UG/M3		
		TETRACHLOROETHENE	17.31 UG/M3		
		TOLUENE	11.70 UG/M3		
385-S06-038	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.408 %		
ABS06		NITROGEN	77.83 %		
S06-DGS-SG06-SG-1.		OXYGEN	21.76 %		
1.50 - 2.10	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.408 %		
		NITROGEN	77.83 %		
		OXYGEN	21.76 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	28.91 UG/M3		
		BENZENE	26.47 UG/M3		
		CIS-1,2-DICHLOROETHENE	22.53 UG/M3		
		ETHYLBENZENE	31.16 UG/M3		
		M & P-XYLENE	146.93 UG/M3		
		O-XYLENE	29.05 UG/M3		
		TETRACHLOROETHENE	697.69 UG/M3		
		TOLUENE	368.03 UG/M3		
		TRICHLOROETHENE	315.25 UG/M3		
385-S06-039	LANDFILL GASES BY D1945	NITROGEN	77.76 %		
ABS06		OXYGEN	22.24 %		
S06-DGS-SG06-SG-3	LANDFILL GASES BY D1945H	NITROGEN	77.76 %		
3.00 - 3.60		OXYGEN	22.24 %		
	VOCS BY TO14	BENZENE	2.76 UG/M3	J	a
		ETHYLBENZENE	3.48 UG/M3	J	a
		M & P-XYLENE	15.37 UG/M3	J	a
		O-XYLENE	2.65 UG/M3	J	a
		TETRACHLOROETHENE	17.02 UG/M3	J	a
		TOLUENE	16.63 UG/M3	J	a
		TRICHLOROETHENE	3.04 UG/M3	J	a
385-S06-954	LANDFILL GASES BY D1945	NITROGEN	77.72 %		
ABS06		OXYGEN	22.28 %		
S06-DGS-FB-2	LANDFILL GASES BY D1945H	NITROGEN	77.72 %		
0.00 - 0.00		OXYGEN	22.28 %		
	VOCS BY TO14	BENZENE	1.61 UG/M3	J	a
		CHLOROMETHANE	1.82 UG/M3	J	a

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-954 ABS06 S06-DGS-FB-2 0.00 - 0.00	VOCS BY TO14	M & P-XYLENE TOLUENE	2.17 UG/M3 3.94 UG/M3	J J	a a

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-001 AAL02 S06-DGS-DP01-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - GASOLINE RANGE ORGANICS	- - 100 UG/L	- - J	- - y
385-S06-002 AAL02 S06-DGS-DP02-GW-5 5.00 - 7.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - GASOLINE RANGE ORGANICS	- - 170 UG/L	- - J	- - z
385-S06-003 AAL02 S06-DGS-DP02-GW-12 12.00 - 14.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-005 AAL02 S06-DGS-DP03-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-006 AAL02 S06-DGS-DP04-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - GASOLINE RANGE ORGANICS	- - 71 UG/L	- - J	- - z
385-S06-007 AAL02 S06-DGS-DP05-GW-6 6.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-008 AAL02 S06-DGS-DP05-GW-12 2.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-009 AAL02 S06-DGS-DP05-GW-23 23.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-010 AAL02 S06-DGS-DP06-GW-5 5.00 - 7.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - GASOLINE RANGE ORGANICS	- - 52 UG/L	- - J	- - z
385-S06-011 AAL02 S06-DGS-DP06-GW-12 12.00 - 14.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-013 AAL02 S06-DGS-DP07-GW-5 5.00 - 7.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-014 AAL02 S06-DGS-DP07-GW-12 12.00 - 14.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-015	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S06-DGS-DP07-GW-23	TPH PURGEABLES (GASOLINE)	-	-	-	-
23.00 - 0.00					
385-S06-016	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S06-DGS-DP08-GW-7	TPH PURGEABLES (GASOLINE)	-	-	-	-
7.00 - 0.00					
385-S06-017	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	16 UG/L	J	a
ADP01		TETRACHLOROETHENE	0.4 UG/L	J	a,g
S06-DGS-M06-01-GW		TRICHLOROETHENE	4 UG/L	J	a
0.00 - 0.00		VINYL CHLORIDE	3 UG/L	J	a
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.06 MG/L	J	g
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S06-018	CLP VOA	1,1-DICHLOROETHANE	1 UG/L	J	a
ADP04		1,2-DICHLOROETHENE (TOTAL)	13 UG/L	J	a
S06-DGS-M06-02-GW		TRICHLOROETHENE	2 UG/L	J	a,g
0.00 - 0.00		VINYL CHLORIDE	1 UG/L	J	a
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S06-019	CLP VOA	1,1-DICHLOROETHANE	0.4 UG/L	J	a,g
ADP01		1,2-DICHLOROETHENE (TOTAL)	8 UG/L	J	a
S06-DGS-M06-03-GW		CARBON DISULFIDE	0.6 UG/L	J	a,g
0.00 - 0.00		TRICHLOROETHENE	0.3 UG/L	J	a,g
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S06-020	CLP VOA	CARBON DISULFIDE	0.7 UG/L	J	g
ADP01		CHLOROFORM	9 UG/L		
06-DGS-M06-04-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S06-021	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	1 UG/L	J	g
ADP01	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S06-DGS-M06-05-GW	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00					
385-S06-022	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP01		1,1-DICHLOROETHENE	2 UG/L	J	g
S06-DGS-M06-06-GW		1,2-DICHLOROETHENE (TOTAL)	14 UG/L		
0.00 - 0.00		CARBON DISULFIDE	0.3 UG/L	J	g
		TETRACHLOROETHENE	2 UG/L	J	g
		TRICHLOROETHENE	4 UG/L		
		VINYL CHLORIDE	0.8 UG/L		
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S06-025	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S06-DGS-VE01-GW-3	TPH PURGEABLES (GASOLINE)	-	-	-	-
3.00 - 5.00					
385-S06-028	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-028 AAL01 S06-DGS-VE02-GW-5. 5.40 - 6.90	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S06-029 AAL02 S06-DGS-MH-4G-1-GW 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-030 AAL02 S06-DGS-MH-5G-1-GW 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-030A ADP30 S06-DGS-MH-5G-1-GW 0.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROETHENE (TOTAL) BROMOFORM CHLOROFORM MOTOR OIL RANGE ORGANICS -	2 UG/L 1 UG/L 2 UG/L 0.33 MG/L -	 J M -	 g -
385-S06-041 AAL02 S06-DGS-DP08-GW-14 14.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-042 AAL02 S06-DGS-DP08-GW-25 25.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S06-043 AAL02 '06-DGS-DP04-GW-11 .1.00 - 13.00	VOA 8260	-	-	-	-
385-S06-044 AAL02 S06-DGS-DP03-GW-12 12.00 - 14.00	VOA 8260	-	-	-	-
385-S06-044A ADP36 S06-DGS-DP03-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,4-DICHLOROBENZENE TOLUENE XYLENE (TOTAL)	0.3 UG/L 0.4 UG/L 2 UG/L 0.7 UG/L	J J J J	g g g g
385-S06-045 AAL02 S06-DGS-DP11-GW-5 5.00 - 7.00	VOA 8260	-	-	-	-
385-S06-046 AAL02 S06-DGS-DP11-GW-12 12.00 - 14.00	VOA 8260	-	-	-	-
385-S06-047 AAL02 S06-DGS-DP13-GW-5 5.00 - 7.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-048 AAL02 S06-DGS-DP13-GW-12 12.00 - 14.00	VOA 8260	-	-	-	-
385-S06-049 AAL02 S06-DGS-DP01-GW-12 12.00 - 14.00	VOA 8260	-	-	-	-
385-S06-050 AAL02 S06-DGS-DP12-GW-5 5.00 - 7.00	VOA 8260	-	-	-	-
385-S06-051 AAL02 S06-DGS-DP12-GW-12 12.00 - 14.00	VOA 8260	-	-	-	-
385-S06-052 AAL01 S06-DGS-DP14-GW-5 5.00 - 0.00	VOA 8260	M,P-XYLENES TOLUENE	1.3 UG/L 2.5 UG/L		
385-S06-053 AAL01 S06-DGS-DP14-GW-12 12.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE TOLUENE	0.6 UG/L 1.3 UG/L	J	g
385-S06-054 AAL01 S06-DGS-DP17-GW-5 .00 - 0.00	VOA 8260	CIS-1,2-DICHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE	31 UG/L 1.2 UG/L 1.5 UG/L		
385-S06-055 AAL01 S06-DGS-DP17-GW-12 12.00 - 0.00	VOA 8260	-	-	-	-
385-S06-056 AAL01 S06-DGS-DP16-GW-5 5.00 - 0.00	VOA 8260	CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	6.7 UG/L 2.9 UG/L 2.6 UG/L 2.6 UG/L		
385-S06-057 AAL01 S06-DGS-DP15-GW-5 5.00 - 0.00	VOA 8260	BENZENE CIS-1,2-DICHLOROETHENE ETHYLBENZENE M,P-XYLENES O-XYLENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE	0.8 UG/L 15 UG/L 1.2 UG/L 5.8 UG/L 2.1 UG/L 9.2 UG/L 5.3 UG/L 2.7 UG/L	J	g
385-S06-057A ADP43 S06-DGS-DP15-GW-5 5.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) BENZENE	0.8 UG/L 0.7 UG/L 24 UG/L 0.8 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-057A ADP43 S06-DGS-DP15-GW-5 5.00 - 0.00	CLP VOA	ETHYLBENZENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	1 UG/L 10 UG/L 8 UG/L 5 UG/L 6 UG/L	J	g
385-S06-058 AAL01 S06-DGS-DP15-GW-12 12.00 - 0.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	3.9 UG/L 1.2 UG/L 5.1 UG/L		
385-S06-059 AAL01 S06-DGS-DP16-GW-12 12.00 - 0.00	VOA 8260	TOLUENE	1.1 UG/L		
385-S06-060 AAL01 S06-DGS-DP18-GW-5 5.00 - 7.00	VOA 8260	-	-	-	-
385-S06-061 AAL01 S06-DGS-DP19-GW-5 5.00 - 7.00	VOA 8260	CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRICHLOROETHENE VINYL CHLORIDE	8.5 UG/L 1.8 UG/L 2.4 UG/L 2.8 UG/L 1.2 UG/L		
385-S06-062 AAL01 S06-DGS-DP20-GW-5 5.00 - 7.00	VOA 8260	CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRICHLOROETHENE	8.1 UG/L 1.1 UG/L 2.4 UG/L 3 UG/L		
385-S06-063 AT01 S06-DGS-DP21-GW-5 5.00 - 7.00	VOA 8260	-	-	-	-
385-S06-901 ADP04 S06-DGS-M06-02-GWD 0.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE VINYL CHLORIDE - -	0.9 UG/L 12 UG/L 1 UG/L 1 UG/L - -	J J J J - -	a a a,g a - -
385-S06-902 AAT01 S06-DGS-DP21-GW-5D 5.00 - 7.00	VOA 8260	-	-	-	-
385-S06-904 ADP01 S06-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S06-905 ADP04 S06-DGS-TB-2 0.00 - 0.00	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S06 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S06-908 AAL02 S06-DGS-ER-2 0.00 - 0.00	VOA 8260	-	-	-	-
385-S06-909 ADP36 S06-DGS-TB-3 0.00 - 0.00	CLP VOA	1,2-DICHLOROBENZENE 2-HEXANONE	0.7 UG/L 0.3 UG/L	J J	g f,g
385-S06-910 AAT01 S06-DGS-TB-4 0.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S07
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S07-001 ACQ01 S07-DGS-DP01-SO-0. 0.50 - 1.00	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE -	4.0 %MST -	-	-
385-S07-002 ACQ01 S07-DGS-DP01-SO-2 2.00 - 2.50	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE 1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 2,3,4,6,7,8-HXCDF 2,3,7,8-TCDF OCDD OCDF TOTAL HPCDD TOTAL HPCDF TOTAL HXCDD TOTAL HXCDF TOTAL PECDF TOTAL TCDF	13.7 %MST 0.077 UG/KG 0.12 UG/KG 0.011 UG/KG 0.010 UG/KG 0.0081 UG/KG 0.0021 UG/KG 0.57 UG/KG 0.046 UG/KG 0.13 UG/KG 0.19 UG/KG 0.056 UG/KG 0.16 UG/KG 0.12 UG/KG 0.045 UG/KG	J	h
385-S07-003 ACQ01 S07-DGS-DP01-SO-4 4.00 - 4.50	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE -	24.5 %MST -	-	-
385-S07-004 ACQ01 S07-DGS-DP02-SO-0. 0.50 - 1.00	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE TOTAL PECDF TOTAL TCDF	4.0 %MST 0.0098 UG/KG 0.0039 UG/KG		
385-S07-005 ACQ01 07-DGS-DP02-SO-2 ..00 - 2.50	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE -	11.1 %MST -	-	-
385-S07-006 ACQ01 S07-DGS-DP02-SO-4 4.00 - 4.50	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE -	16.7 %MST -	-	-
385-S07-007 ACQ01 S07-DGS-DP03-SO-0. 0.50 - 1.00	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE 1,2,3,4,6,7,8-HPCDD OCDD TOTAL HPCDD TOTAL HXCDD TOTAL HXCDF TOTAL PECDF TOTAL TCDD TOTAL TCDF	2.7 %MST 0.0069 UG/KG 0.017 UG/KG 0.015 UG/KG 0.014 UG/KG 0.0074 UG/KG 0.033 UG/KG 0.0013 UG/KG 0.014 UG/KG	J J J	a a a
385-S07-008 ACQ01 S07-DGS-DP03-SO-2 2.00 - 2.50	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE OCDD	11.0 %MST 0.013 UG/KG		
385-S07-009 ACQ01 S07-DGS-DP03-SO-4 4.00 - 4.50	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE -	11.6 %MST -	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S08
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S08-003	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.586 %		
ABS11		NITROGEN	78.11 %		
S08-DGS-SG02-SG-1.		OXYGEN	20.30 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.586 %		
		NITROGEN	78.11 %		
		OXYGEN	20.30 %		
	VOCS BY TO14	M & P-XYLENE	33.82 UG/M3		
		TOLUENE	27.83 UG/M3		
385-S08-004	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.145 %		
ABS11		NITROGEN	77.20 %		
S08-DGS-SG02-SG-4		OXYGEN	22.66 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.145 %		
		NITROGEN	77.20 %		
		OXYGEN	22.66 %		
	VOCS BY TO14	M & P-XYLENE	37.15 UG/M3		
		TOLUENE	28.49 UG/M3		
385-S08-960	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.133 %		
ABS11		NITROGEN	77.18 %		
S08-DGS-SG02-SG-4D		OXYGEN	22.69 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.133 %		
		NITROGEN	77.18 %		
		OXYGEN	22.69 %		
	VOCS BY TO14	M & P-XYLENE	17.88 UG/M3		
		TOLUENE	26.76 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S08 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S08-001 ADP09 S08-DGS-SS01-SO-0. 0.50 - 1.00	METALS (TOTAL) HEXAVALENT CHROMIUM PERCENT MOISTURE	CHROMIUM - PERCENT MOISTURE	192 MG/KG - 2.4 %MST	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-040 ABS07 S09-DGS-SG03-SG-1. 1.50 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.091 %		
		N-PENTANE	1.1 PPMV		
		NITROGEN	78.10 %		
		NMOC (C6+)	300.8 PPMV		
		OXYGEN	19.81 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.091 %		
		N-PENTANE	1.1 PPMV		
		NITROGEN	78.10 %		
		NMOC (C6+)	300.8 PPMV		
		OXYGEN	19.81 %		
	VOCS BY TO14	1,1,2-TRICHLOROETHANE	593.13 UG/M3		
		1,1-DICHLOROETHANE	78.44 UG/M3		
		BENZENE	1201.50 UG/M3		
		ETHYLBENZENE	5891.73 UG/M3		
		M & P-XYLENE	26795.49 UG/M3		
		O-XYLENE	5262.49 UG/M3		
		TOLUENE	8785.93 UG/M3		
385-S09-041 ABS07 S09-DGS-SG03-SG-3. 3.50 - 4.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.040 %		
		N-PENTANE	1.5 PPMV		
		NITROGEN	77.61 %		
		NMOC (C6+)	53.5 PPMV		
		OXYGEN	22.35 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.040 %		
		N-PENTANE	1.5 PPMV		
		NITROGEN	77.61 %		
		NMOC (C6+)	53.5 PPMV		
		OXYGEN	22.35 %		
	VOCS BY TO14	BENZENE	122.88 UG/M3		
		ETHYLBENZENE	308.88 UG/M3		
		M & P-XYLENE	1077.17 UG/M3		
		O-XYLENE	181.97 UG/M3		
		TOLUENE	487.39 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-001 AAL02 S09-DGS-DP01-GW-8 8.00 - 10.00	VOA 8260	-	-	-	-
385-S09-001A ADP28 S09-DGS-DP01-GW-8 8.00 - 10.00	SVOA PAH	- PYRENE	- 0.2 UG/L	- J	- g
385-S09-002 AAL02 S09-DGS-DP01-GW-15 15.00 - 17.00	VOA 8260	-	-	-	-
385-S09-002A ADP28 S09-DGS-DP01-GW-15 15.00 - 17.00	SVOA PAH	- BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	- 0.1 UG/L 0.3 UG/L 0.2 UG/L 0.3 UG/L 0.4 UG/L 0.87 UG/L 0.2 UG/L 1.6 UG/L	- J J 	- g g
385-S09-003 AAL02 S09-DGS-DP01-GW-30 30.00 - 32.00	VOA 8260	-	-	-	-
385-S09-003A ADP28 S09-DGS-DP01-GW-30 0.00 - 32.00	SVOA PAH	- -	- -	- -	- -
385-S09-004 AAL01 S09-DGS-DP01-GW-8 8.00 - 10.00	VOA 8260	1,1-DICHLOROETHANE	2.1 UG/L		
385-S09-004A ADP38 S09-DGS-DP02-GW-8 8.00 - 0.00	SVOA PAH	- BENZO(A)PYRENE CHRYSENE	- 0.1 UG/L 0.51 UG/L	- J	- g
385-S09-005 AAL01 S09-DGS-DP02-GW-15 15.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE	0.5 UG/L	J	g
385-S09-005A ADP38 S09-DGS-DP02-GW-15 15.00 - 0.00	SVOA PAH	- BENZO(A)PYRENE	- 0.1 UG/L	- J	- g
385-S09-006 AAL01 S09-DGS-DP02-GW-35 35.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE VINYL CHLORIDE	1200 UG/L 23 UG/L 11 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-006A ADP38 S09-DGS-DP02-GW-35 35.00 - 0.00	SVOA PAH	- FLUORANTHENE PYRENE	- 0.2 UG/L 0.2 UG/L	- J J	- g g
385-S09-007 AAL01 S09-DGS-DP02-GW-45 45.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE VINYL CHLORIDE	520 UG/L 5.4 UG/L 4.6 UG/L		
385-S09-007A ADP38 S09-DGS-DP02-GW-45 45.00 - 0.00	SVOA PAH	- -	- -	- -	- -
385-S09-008 AAL01 S09-DGS-DP02-GW-60 60.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE VINYL CHLORIDE	100 UG/L 1.2 UG/L 1.1 UG/L		
385-S09-008A ADP38 S09-DGS-DP02-GW-60 60.00 - 0.00	SVOA PAH	- -	- -	- -	- -
385-S09-009 AAL01 S09-DGS-DP02-GW-78 78.00 - 0.00	VOA 8260	-	-	-	-
385-S09-009A ADP38 S09-DGS-DP02-GW-78 8.00 - 0.00	SVOA PAH	- -	- -	- -	- -
385-S09-010 AAL02 S09-DGS-DP03-GW-10 10.00 - 0.00	VOA 8260	-	-	-	-
385-S09-010A ADP36 S09-DGS-DP03-GW-10 10.00 - 0.00	SVOA PAH	- BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	- 0.3 UG/L 0.79 UG/L 0.56 UG/L 0.87 UG/L 0.2 UG/L 0.2 UG/L 1.4 UG/L 0.88 UG/L 0.65 UG/L 1.9 UG/L	- J J 	- g g
385-S09-011 AAL02 S09-DGS-DP03-GW-20 20.00 - 0.00	VOA 8260	-	-	-	-
385-S09-011A	SVOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-011A ADP50 S09-DGS-DP03-GW-20 20.00 - 0.00	PAH	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(G,H,I)PERYLENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	0.1 UG/L 0.2 UG/L 0.2 UG/L 0.6 UG/L 0.2 UG/L 0.1 UG/L 0.57 UG/L	J J J J 	g g g g
385-S09-012 AAL02 S09-DGS-DP03-GW-35 35.00 - 0.00	VOA 8260	-	-	-	-
385-S09-012A ADP36 S09-DGS-DP03-GW-35 35.00 - 0.00	SVOA PAH	- ANTHRACENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	- 0.1 UG/L 0.52 UG/L 0.4 UG/L 0.2 UG/L 0.41 UG/L 0.8 UG/L 0.81 UG/L 0.3 UG/L 0.7 UG/L 0.81 UG/L	- J J J 	- g g g
385-S09-013 AAL02 S09-DGS-DP03-GW-43 43.00 - 0.00	VOA 8260	-	-	-	-
385-S09-013A ADP36 S09-DGS-DP03-GW-43 3.00 - 0.00	SVOA PAH	- -	- -	- -	- -
385-S09-014 AAL02 S09-DGS-DP03-GW-60 60.00 - 0.00	VOA 8260	-	-	-	-
385-S09-014A ADP36 S09-DGS-DP03-GW-60 60.00 - 0.00	SVOA PAH	- ANTHRACENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(G,H,I)PERYLENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE PHENANTHRENE PYRENE	- 0.2 UG/L 0.96 UG/L 0.2 UG/L 0.2 UG/L 0.4 UG/L 1.2 UG/L 1 UG/L 1.9 UG/L	- J J J 	- g g g
385-S09-015 AAL02 S09-DGS-DP03-GW-74 74.00 - 0.00	VOA 8260	-	-	-	-
385-S09-015A ADP36 S09-DGS-DP03-GW-74	SVOA PAH	- BENZ(A)ANTHRACENE BENZO(A)PYRENE	- 0.3 UG/L 0.50 UG/L	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-015A ADP50 S09-DGS-DP03-GW-74 74.00 - 0.00	PAH	BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE CHRYSENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	0.3 UG/L 0.50 UG/L 0.3 UG/L 1.1 UG/L 0.50 UG/L 0.3 UG/L 0.88 UG/L		
385-S09-016 AAL01 S09-DGS-DP05-GW-7 7.00 - 9.00	VOA 8260	1,1-DICHLOROETHANE BENZENE CIS-1,2-DICHLOROETHENE ETHYLBENZENE M,P-XYLENES NAPHTHALENE O-XYLENE TOLUENE VINYL CHLORIDE	6.2 UG/L 1 UG/L 24 UG/L 55 UG/L 210 UG/L 140 UG/L 83 UG/L 20 UG/L 3.7 UG/L		
385-S09-016A ADP41 S09-DGS-DP05-GW-7 7.00 - 9.00	SVOA PAH	2,4-DIMETHYLPHENOL NAPHTHALENE PHENOL NAPHTHALENE	40 UG/L 85 UG/L 59 UG/L 64 UG/L		
385-S09-017 AAL01 S09-DGS-DP05-GW-15 15.00 - 17.00	VOA 8260	BENZENE CHLOROETHANE CIS-1,2-DICHLOROETHENE M,P-XYLENES NAPHTHALENE TOLUENE	1.6 UG/L 2.7 UG/L 1 UG/L 2 UG/L 3.5 UG/L 3.1 UG/L		
385-S09-017A ADP41 S09-DGS-DP05-GW-15 5.00 - 17.00	CLP VOA SVOA PAH	BENZENE CARBON DISULFIDE CHLOROETHANE ETHYLBENZENE TOLUENE XYLENE (TOTAL) - ANTHRACENE BENZO(A)PYRENE BENZO(G,H,I)PERYLENE CHRYSENE FLUORANTHENE PHENANTHRENE PYRENE	2 UG/L 0.3 UG/L 5 UG/L 0.7 UG/L 5 UG/L 2 UG/L - 0.1 UG/L 0.1 UG/L 0.2 UG/L 0.70 UG/L 0.4 UG/L 0.5 UG/L 0.69 UG/L	 J J - J J J J	 g g - g g g g
385-S09-018 AAL01 S09-DGS-DP05-GW-25 25.00 - 27.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	4 UG/L 1.4 UG/L 4.8 UG/L		
385-S09-018A ADP41 S09-DGS-DP05-GW-25 25.00 - 27.00	SVOA PAH	- -	- -	- -	- -
385-S09-019 AAL02 S09-DGS-DP04-GW-50 50.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-019A ADP35 S09-DGS-DP04-GW-50 50.00 - 0.00	CLP VOA SVOA PAH	- - ANTHRACENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	- - 0.42 UG/L 2.4 UG/L 2.5 UG/L 1.5 UG/L 2.1 UG/L 0.56 UG/L 1.4 UG/L 2.1 UG/L 3.3 UG/L 1.6 UG/L 2 UG/L 5.27 UG/L	- -	- -
385-S09-020 AAL02 S09-DGS-DP04-GW-65 65.00 - 0.00	VOA 8260	-	-	-	-
385-S09-020A ADP36 S09-DGS-DP04-GW-65 65.00 - 0.00	SVOA PAH	- BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	- 0.3 UG/L 0.67 UG/L 0.4 UG/L 0.57 UG/L 0.1 UG/L 0.42 UG/L 0.6 UG/L 0.72 UG/L 0.41 UG/L 0.5 UG/L 1.5 UG/L	- J J	- g g
85-S09-021 AL02 S09-DGS-DP04-GW-80 80.00 - 0.00	VOA 8260	-	-	-	-
385-S09-021A ADP36 S09-DGS-DP04-GW-80 80.00 - 0.00	SVOA PAH	- BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE CHRYSENE DIBENZ(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	- 0.2 UG/L 0.3 UG/L 0.2 UG/L 0.3 UG/L 0.2 UG/L 0.3 UG/L 0.41 UG/L 0.2 UG/L 0.74 UG/L	- J J J J J	- g g g g g
385-S09-022 AAL02 S09-DGS-DP04-GW-8 8.00 - 10.00	VOA 8260	-	-	-	-
385-S09-022A ADP28 S09-DGS-DP04-GW-8 8.00 - 10.00	SVOA PAH	- PYRENE	- 0.2 UG/L	- J	- g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-023 AAL02 S09-DGS-DP04-GW-15 15.00 - 17.00	VOA 8260	-	-	-	-
385-S09-023A ADP28 S09-DGS-DP04-GW-15 15.00 - 17.00	SVOA PAH	- ANTHRACENE FLUORANTHENE PYRENE	- 0.2 UG/L 0.56 UG/L 0.73 UG/L	- J	- g
385-S09-024 AAL02 S09-DGS-DP04-GW-25 25.00 - 27.00	VOA 8260	-	-	-	-
385-S09-024A ADP28 S09-DGS-DP04-GW-25 25.00 - 27.00	SVOA PAH	- -	- -	- -	- -
385-S09-025 ADP09 S09-DGS-MW410-1-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - MOTOR OIL RANGE ORGANICS GASOLINE RANGE ORGANICS -	- - 0.1 MG/L 0.06 MG/L -	- - M J -	- - z -
385-S09-026 ADP09 S09-DGS-MW410-2-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE CHLOROBENZENE ETHYLBENZENE METHYL TERT BUTYL ETHER VINYL CHLORIDE - DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS -	2 UG/L 21 UG/L 0.9 UG/L 0.4 UG/L 0.3 UG/L 20 UG/L 10 UG/L - 0.83 MG/L 0.09 MG/L -	 J J - D J -	 g g - z -
385-S09-027 ADP11 S09-DGS-MW410-3-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	TETRACHLOROETHENE TRICHLOROETHENE - - - -	3 UG/L 0.8 UG/L - - - -	 J - - - -	 g - - - -
385-S09-028 ADP11 S09-DGS-MW410-3-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - - - -	- - - - -	- - - - -	- - - - -
385-S09-029 ADP09 S09-DGS-M09-05-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - - GASOLINE RANGE ORGANICS -	- - - 0.04 MG/L -	- - - J -	- - - g,z -
385-S09-030	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-030 ADP09 S09-DGS-M09-06-GW 0.00 - 0.00	SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - GASOLINE RANGE ORGANICS -	- - 0.04 MG/L -	- - J -	- - g,z -
385-S09-031 ADP11 S09-DGS-D09-01-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - - - -	- - - - -	- - - - -	- - - - -
385-S09-034 AAL01 S09-DGS-VE01-GW-8. 8.50 - 10.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	M,P-XYLENES - -	1 UG/L - -	 - -	 - -
385-S09-034A ADP43 S09-DGS-VE01-GW-8. 8.50 - 10.00	SVOA PAH	- -	- -	- -	- -
385-S09-035 ADP32 S09-DGS-MH-1-5-GWI 0.00 - 0.00	CLP VOA	1,1,1-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	2 UG/L 1 UG/L 0.8 UG/L 5 UG/L 0.5 UG/L 0.5 UG/L 2 UG/L 0.5 UG/L	J J J J	g g g g
	SVOA PAH	- -	- -	- -	- -
385-S09-036 DP30 S09-DGS-MH-3-J-GWI 0.00 - 0.00	CLP VOA	1,1,1-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) CHLOROBENZENE TRICHLOROETHENE VINYL CHLORIDE	0.7 UG/L 0.8 UG/L 3 UG/L 0.6 UG/L 0.7 UG/L 0.5 UG/L	J J J J	g g g g
	SVOA PAH	- -	- -	- -	- -
385-S09-043 AAL01 S09-DGS-DP07-GW-7 7.00 - 0.00	VOA 8260	-	-	-	-
385-S09-044 AAL01 S09-DGS-DP07-GW-15 15.00 - 0.00	VOA 8260	BENZENE CIS-1,2-DICHLOROETHENE TOLUENE	0.9 UG/L 1.7 UG/L 1 UG/L	J	g
385-S09-045 AAL01 S09-DGS-DP08-GW-7 7.00 - 0.00	VOA 8260	METHYL-T-BUTYLETHER	6.8 UG/L		
385-S09-046 AAL01 S09-DGS-DP08-GW-15 15.00 - 0.00	VOA 8260	METHYL-T-BUTYLETHER	40 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-047 AAL01 S09-DGS-DP08-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	2.6 UG/L 1.6 UG/L		
385-S09-048 AAL01 S09-DGS-DP08-GW-45 45.00 - 0.00	VOA 8260	-	-	-	-
385-S09-049 AAL01 S09-DGS-DP09-GW-7 7.00 - 0.00	VOA 8260	-	-	-	-
385-S09-050 AAL01 S09-DGS-DP09-GW-15 15.00 - 0.00	VOA 8260	1,1-DICHLOROETHENE	1.2 UG/L		
385-S09-050A ADP48 S09-DGS-DP09-GW-15 15.00 - 0.00	CLP VOA	1,1-DICHLOROETHENE CARBON DISULFIDE	1 UG/L 0.4 UG/L	J J	f,g f,g
385-S09-051 AAL01 S09-DGS-DP09-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE VINYL CHLORIDE	25 UG/L 2.2 UG/L 0.6 UG/L	 J	 g
385-S09-052 AAL01 S09-DGS-DP09-GW-45 5.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE VINYL CHLORIDE	87 UG/L 4.9 UG/L 1 UG/L		
385-S09-054 AAL01 S09-DGS-DP10-GW-30 30.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	15 UG/L 4.3 UG/L		
385-S09-055 AAL01 S09-DGS-DP10-GW-45 45.00 - 0.00	VOA 8260	-	-	-	-
385-S09-055A ADP49 S09-DGS-DP10-GW-45 45.00 - 0.00	CLP VOA	-	-	-	-
385-S09-056 AAL01 S09-DGS-DP10-GW-58 58.00 - 0.00	VOA 8260	-	-	-	-
385-S09-057 AAL01 S09-DGS-DP09-GW-59 59.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-058 AAL01 S09-DGS-DP11-GW-30 30.00 - 32.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	16 UG/L 3.5 UG/L		
385-S09-059 AAT01 S09-DGS-DP12-GW-30 30.00 - 32.00	VOA 8260	1,1-DICHLOROETHANE	16 UG/L		
385-S09-904 ADP09 S09-DGS-M09-05-GWD 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - - GASOLINE RANGE ORGANICS -	- - - 0.05 MG/L -	- - - J -	- - - g,z -
385-S09-905 AAT01 S09-DGS-DP12-GW-30 30.00 - 32.00	VOA 8260	1,1-DICHLOROETHANE	18 UG/L		
385-S09-908 ADP11 S09-DGS-FB-1 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	BROMOFORM - - - -	0.3 UG/L - - - -	J - - - -	g - - - -
385-S09-909 AAL02 S09-DGS-ER-2 0.00 - 0.00	VOA 8260	-	-	-	-
385-S09-909A DP28 09-DGS-ER-2 0.00 - 0.00	SVOA PAH	- -	- -	- -	- -
385-S09-910 ADP09 S09-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S09-911 ADP11 S09-DGS-TB-2 0.00 - 0.00	CLP VOA TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S09-912 ADP48 S09-DGS-TB-3 0.00 - 0.00	CLP VOA	-	-	-	-
385-S09-913 AAL01 S09-DGS-ER-3 0.00 - 0.00	VOA 8260	-	-	-	-
385-S09-914 AAT01 S09-DGS-TB-4 0.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S09 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S09-915 AAT01 S09-DGS-ER-4 0.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S10
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S10-001 AAL01 S10-DGS-DP01-GW-5 5.00 - 7.00	VOA 8260	M,P-XYLENES TOLUENE	2.4 UG/L 4.4 UG/L		
385-S10-002 AAL01 S10-DGS-DP01-GW-10 10.00 - 12.00	VOA 8260	M,P-XYLENES TOLUENE	2 UG/L 4 UG/L		
385-S10-003 AAL01 S10-DGS-DP01-GW-15 15.00 - 17.00	VOA 8260	M,P-XYLENES TOLUENE	2.1 UG/L 4.3 UG/L		
385-S10-004 ADP33 S10-DGS-M10-01-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE 1,2-DICHLOROPROPANE BIS(2-CHLOROETHYL)ETHER DIESEL RANGE ORGANICS -	7 UG/L 1 UG/L 6 UG/L 0.24 MG/L -	 J J D -	 g g -
385-S10-005 ADP21 S10-DGS-M10-02-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - DIESEL RANGE ORGANICS -	- - 0.22 MG/L -	- - J -	- - z -
385-S10-006 ADP21 S10-DGS-M10-03-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	BROMODICHLOROMETHANE CHLOROFORM - DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS	0.3 UG/L 17 UG/L - 0.20 MG/L 0.03 MG/L	J - J J	g - z g,z
385-S10-007 DP21 S10-DGS-D10A-01-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS	- - 0.34 MG/L 0.03 MG/L	- - DM J	- - g,z
385-S10-008 AAL01 S10-DGS-DP02-GW-10 10.00 - 12.00	VOA 8260 TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE -	1.4 UG/L 2.2 UG/L -	 -	 -
385-S10-009 AAL01 S10-DGS-DP02-GW-15 15.00 - 17.00	VOA 8260 TPH PURGEABLES (GASOLINE)	TOLUENE -	1.7 UG/L -	 -	 -
385-S10-009A ADP49 S10-DGS-DP02-GW-15 15.00 - 17.00	CLP VOA TPH PURGEABLES (GASOLINE)	1,2-DICHLOROPROPANE TOLUENE XYLENE (TOTAL) GASOLINE RANGE ORGANICS	0.4 UG/L 1 UG/L 0.5 UG/L 0.19 MG/L	J J J 	g g g
385-S10-010 AAL01 S10-DGS-DP02-GW-20 20.00 - 22.00	VOA 8260 TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE -	1.2 UG/L 2.7 UG/L -	 -	 -
385-S10-011	VOA 8260	M,P-XYLENES	1.9 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S10 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S10-011 AAL01 S10-DGS-DP02-GW-5 5.00 - 7.00	VOA 8260 TPH PURGEABLES (GASOLINE)	TOLUENE -	2 UG/L -	- -	- -
385-S10-012 AAL01 S10-DGS-DP03-GW-5 5.00 - 7.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S10-013 AAL01 S10-DGS-DP03-GW-10 10.00 - 12.00	VOA 8260 TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE -	2.2 UG/L -	- -	- -
385-S10-014 AAL01 S10-DGS-DP03-GW-15 15.00 - 17.00	VOA 8260 TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE -	2.4 UG/L -	- -	- -
385-S10-015 AAL01 S10-DGS-DP03-GW-20 20.00 - 22.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S10-901 ADP21 S10-DGS-M10-03-GWD 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	CHLOROFORM - DIESEL RANGE ORGANICS -	18 UG/L - 0.2 MG/L -	- - J -	- - z -
385-S10-902 ADP49 S10-DGS-TB-2 .00 - 0.00	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-004	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	18000 UG/KG		
S11-DGS-DP01-SO-4. 4.50 - 5.00	TPH PURGEABLES (GASOLINE)	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-001	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S11-DGS-HA01-GW-9	TPH PURGEABLES (GASOLINE)	-	-	-	-
9.00 - 14.00					
385-S11-001A	CLP VOA	-	-	-	-
ADP35	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.76 MG/L	M	
S11-DGS-HA01-GW-9	TPH PURGEABLES (GASOLINE)	-	-	-	-
9.00 - 14.00					
385-S11-002	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	480 UG/L		
S11-DGS-HA02-GW-8	TPH PURGEABLES (GASOLINE)	-	-	-	-
8.00 - 9.50					
385-S11-003	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	540 UG/L		
S11-DGS-HA03-GW-8	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	72 UG/L	J	y
8.00 - 9.50					
385-S11-005	VOA 8260	M,P-XYLENES	1.7 UG/L		
AAL01		TOLUENE	3.1 UG/L		
S11-DGS-DP01-GW-5	TPH EXTRACTABLES (DIESEL)	-	-	-	-
5.00 - 7.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	76 UG/L	J	h,z
385-S11-006	CLP VOA	TRICHLOROETHENE	0.7 UG/L	J	g
ADP17		VINYL CHLORIDE	1 UG/L		
S11-DGS-M11-01-GW	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.41 MG/L	D	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
	PAH	-	-	-	-
385-S11-007	CLP VOA	1,1-DICHLOROETHANE	1 UG/L		
DP17		1,2-DICHLOROETHENE (TOTAL)	4 UG/L		
11-DGS-M11-02-GW		TRICHLOROETHENE	9 UG/L		
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S11-008	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S11-DGS-M11-03-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S11-009	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S11-DGS-M11-04-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S11-010	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S11-DGS-M11-05-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.70 MG/L	DM	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.1 UG/L	J	g
385-S11-011	CLP VOA	1,1-DICHLOROETHANE	0.4 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-011	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.7 UG/L	J	g
ADP18		CHLOROETHANE	0.9 UG/L	J	g
S11-DGS-M11-06-GW		VINYL CHLORIDE	2 UG/L		
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S11-012	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S11-DGS-D11-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S11-102	HEADSPACE - VOC	ETHANE	5 UG/L		
ADP64		METHANE	189 UG/L		
S11-DGS-DP103-GW-1	CLP VOA	1,1-DICHLOROETHANE	0.5 UG/L		
10.00 - 12.00		1,2-DICHLOROETHENE (TOTAL)	0.4 UG/L	J	f,g
		VINYL CHLORIDE	1 UG/L		
	SVOA	-	-	-	-
	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	11.8 MG/L		
		SULFATE	348 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	17.7 MG/L		
		TOTAL ORGANIC CARBON (MAX)	21.1 MG/L		
		TOTAL ORGANIC CARBON (MIN)	11.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	17.2 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	20.9 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	16.1 MG/L		
385-S11-106	HEADSPACE - VOC	METHANE	18 UG/L		
ADP64	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	16 UG/L	J	f
S11-DGS-DP103-GW-2		TRICHLOROETHENE	0.4 UG/L	J	g
25.00 - 27.00		VINYL CHLORIDE	1 UG/L		
	SVOA	-	-	-	-
	MAJOR ANIONS	NITRATE AS N	7.4 MG/L		
		SULFATE	1020 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.9 MG/L		
		TOTAL ORGANIC CARBON (AVE)	10.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	15.6 MG/L		
		TOTAL ORGANIC CARBON (MIN)	7.5 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	8.7 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	9.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	8.1 MG/L		
385-S11-109	HEADSPACE - VOC	METHANE	4 UG/L		
ADP64	CLP VOA	-	-	-	-
S11-DGS-DP103-GW-5	SVOA	-	-	-	-
50.00 - 52.00	MAJOR ANIONS	SULFATE	3600 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	0.90 MG/L	J	g
		TOTAL ORGANIC CARBON (AVE)	6.3 MG/L		
		TOTAL ORGANIC CARBON (MAX)	6.5 MG/L		
		TOTAL ORGANIC CARBON (MIN)	6.1 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	5.4 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	6.1 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	4.6 MG/L		
385-S11-110	HEADSPACE - VOC	ETHANE	9.1 UG/L		
ADP51		ETHENE	17 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-110	HEADSPACE - VOC	METHANE	11000 UG/L		
ADP51	SVOA	-	-	-	-
S11-DGS-DP102-GW-1	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	4.3 MG/L		
10.00 - 12.00	TOC	SUSPENDED ORGANIC CARBON	1.5 MG/L		
		TOTAL ORGANIC CARBON (AVE)	16.9 MG/L		
		TOTAL ORGANIC CARBON (MAX)	19.7 MG/L		
		TOTAL ORGANIC CARBON (MIN)	14.7 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	15.4 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	17.6 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	14.5 MG/L		
385-S11-110A	VOA 8260	BENZENE	1.9 UG/L		
AAL01		NAPHTHALENE	3.4 UG/L		
S11-DGS-DP102-GW-1		VINYL CHLORIDE	0.7 UG/L	J	g
10.00 - 0.00					
385-S11-111	HEADSPACE - VOC	METHANE	23 UG/L		
ADP51	SVOA	-	-	-	-
S11-DGS-DP102-GW-2	MAJOR ANIONS	SULFATE	1990 MG/L		
25.00 - 27.00	TOC	TOTAL ORGANIC CARBON (MAX)	12.1 MG/L		
		TOTAL ORGANIC CARBON (MIN)	8.7 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX	11.6 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	8.4 MG/L		
385-S11-111A	VOA 8260	1,1,2-TRICHLOROETHANE	1.6 UG/L		
AAL01		1,1-DICHLOROETHENE	1.4 UG/L		
S11-DGS-DP102-GW-2		CIS-1,2-DICHLOROETHENE	27 UG/L		
25.00 - 0.00		TETRACHLOROETHENE	3.6 UG/L		
		TRICHLOROETHENE	33000 UG/L		
385-S11-112	HEADSPACE - VOC	METHANE	13 UG/L		
ADP51	SVOA	-	-	-	-
S11-DGS-DP102-GW-5	MAJOR ANIONS	SULFATE	3620 MG/L		
0.00 - 52.00	TOC	TOTAL ORGANIC CARBON (MAX)	5.5 MG/L		
		TOTAL ORGANIC CARBON (MIN)	5.1 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX	6.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	3.7 MG/L		
385-S11-112A	VOA 8260	TRICHLOROETHENE	2.1 UG/L		
AAL01					
S11-DGS-DP102-GW-5					
50.00 - 0.00					
385-S11-113	HEADSPACE - VOC	ETHANE	20 UG/L		
ADP52		METHANE	5100 UG/L	J	c
S11-DGS-DP104-GW-1	CLP VOA	CARBON DISULFIDE	0.4 UG/L	J	f,g
10.00 - 12.00	SVOA	-	-	-	-
	MAJOR ANIONS	SULFATE	473 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	0.79 MG/L	J	g
		TOTAL ORGANIC CARBON (AVE)	7.5 MG/L		
		TOTAL ORGANIC CARBON (MAX)	9.3 MG/L		
		TOTAL ORGANIC CARBON (MIN)	6.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	6.7 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	7.9 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	6.1 MG/L		
385-S11-113A	VOA 8260	TRICHLOROETHENE	3.2 UG/L		
AAL01					
S11-DGS-DP104-GW-1					
10.00 - 12.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-114	HEADSPACE - VOC	METHANE	21 UG/L		
ADP52	SVOA	-	-	-	-
S11-DGS-DP104-GW-2	MAJOR ANIONS	NITRATE AS N	8.4 MG/L		
25.00 - 27.00		SULFATE	1780 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	7.7 MG/L		
		TOTAL ORGANIC CARBON (MAX)	9.5 MG/L		
		TOTAL ORGANIC CARBON (MIN)	6.1 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	7.6 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	9.9 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	6.0 MG/L		
385-S11-114A	VOA 8260	CIS-1,2-DICHLOROETHENE	2.1 UG/L		
AAL01		TRICHLOROETHENE	560 UG/L		
S11-DGS-DP104-GW-2					
25.00 - 27.00					
385-S11-115	HEADSPACE - VOC	METHANE	17 UG/L		
ADP52	SVOA	-	-	-	-
S11-DGS-DP104-GW-5	MAJOR ANIONS	SULFATE	3650 MG/L		
50.00 - 52.00	TOC	SUSPENDED ORGANIC CARBON	1.2 MG/L		
		TOTAL ORGANIC CARBON (AVE)	5.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	6.0 MG/L		
		TOTAL ORGANIC CARBON (MIN)	5.0 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	4.4 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	5.6 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	3.1 MG/L		
385-S11-115A	VOA 8260	TRICHLOROETHENE	1.2 UG/L		
AAL01					
S11-DGS-DP104-GW-5					
50.00 - 52.00					
385-S11-117	HEADSPACE - VOC	ETHANE	2 UG/L	J	g
DP64		METHANE	1610 UG/L		
11-DGS-DP109-GW-1	CLP VOA	1,1-DICHLOROETHENE	2 UG/L	J	a,f,g
10.00 - 12.00		1,2-DICHLOROETHENE (TOTAL)	54 UG/L	J	a,f
		BENZENE	0.7 UG/L	J	a
		CARBON DISULFIDE	0.4 UG/L	J	a,f,g
		TRICHLOROETHENE	4 UG/L	J	a
		VINYL CHLORIDE	5 UG/L	J	a
	SVOA	-	-	-	-
	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	3.7 MG/L		
		SULFATE	333 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	20.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	22.8 MG/L		
		TOTAL ORGANIC CARBON (MIN)	17.9 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	20.0 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	21.7 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	17.9 MG/L		
385-S11-121	HEADSPACE - VOC	ETHENE	2 UG/L	J	g
ADP64		METHANE	18 UG/L		
S11-DGS-DP109-GW-2	CLP VOA	1,1-DICHLOROETHENE	6 UG/L	J	f
25.00 - 27.00		1,2-DICHLOROETHENE (TOTAL)	1200 UG/L	J	f
		BENZENE	0.8 UG/L		
		CARBON DISULFIDE	0.3 UG/L	J	f,g
		TRICHLOROETHENE	460 UG/L		
		VINYL CHLORIDE	56 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-121	SVOA	-	-	-	-
ADP64	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	6.5 MG/L		
S11-DGS-DP109-GW-2		SULFATE	177 MG/L		
25.00 - 27.00	TOC	TOTAL ORGANIC CARBON (AVE)	5.3 MG/L		
		TOTAL ORGANIC CARBON (MAX)	7.9 MG/L		
		TOTAL ORGANIC CARBON (MIN)	3.3 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	4.8 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	6.5 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	3.5 MG/L		
385-S11-124	HEADSPACE - VOC	METHANE	12 UG/L		
ADP64	CLP VOA	CARBON DISULFIDE	0.4 UG/L	J	g
S11-DGS-DP109-GW-5	SVOA	-	-	-	-
50.00 - 52.00	MAJOR ANIONS	SULFATE	2560 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.5 MG/L		
		TOTAL ORGANIC CARBON (AVE)	9.9 MG/L		
		TOTAL ORGANIC CARBON (MAX)	11.8 MG/L		
		TOTAL ORGANIC CARBON (MIN)	5.1 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	8.4 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	8.8 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	8.0 MG/L		
385-S11-125	HEADSPACE - VOC	ETHANE	4 UG/L		
ADP49		ETHENE	6 UG/L		
S11-DGS-DP105-GW-1		METHANE	2880 UG/L		
10.00 - 0.00	SVOA	-	-	-	-
	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	11.7 MG/L		
		SULFATE	3.3 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.6 MG/L		
		TOTAL ORGANIC CARBON (AVE)	37.3 MG/L		
		TOTAL ORGANIC CARBON (MAX)	42.8 MG/L		
		TOTAL ORGANIC CARBON (MIN)	34.1 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	35.7 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	37.9 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	33.7 MG/L		
385-S11-125A	VOA 8260	-	-	-	-
AAL01					
S11-DGS-DP105-GW-1					
10.00 - 0.00					
385-S11-126	HEADSPACE - VOC	METHANE	92 UG/L		
ADP49	SVOA	-	-	-	-
S11-DGS-DP105-GW-2	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	6.7 MG/L		
25.00 - 0.00		SULFATE	183 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	11.1 MG/L		
		TOTAL ORGANIC CARBON (MAX)	12.2 MG/L		
		TOTAL ORGANIC CARBON (MIN)	10.6 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	11.1 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	12.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	10.3 MG/L		
385-S11-126A	VOA 8260	1,1-DICHLOROETHENE	2.7 UG/L		
AAL01		CIS-1,2-DICHLOROETHENE	19 UG/L		
S11-DGS-DP105-GW-2		TOLUENE	1.3 UG/L		
25.00 - 0.00		TRANS-1,2-DICHLOROETHENE	3.8 UG/L		
		TRICHLOROETHENE	70 UG/L		
		VINYL CHLORIDE	0.7 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-127	HEADSPACE - VOC	METHANE	27 UG/L		
ADP49	SVOA	-	-	-	-
S11-DGS-DP105-GW-5	MAJOR ANIONS	SULFATE	3810 MG/L		
50.00 - 0.00	TOC	SUSPENDED ORGANIC CARBON	3.9 MG/L		
		TOTAL ORGANIC CARBON (AVE)	10.0 MG/L		
		TOTAL ORGANIC CARBON (MAX)	11.0 MG/L		
		TOTAL ORGANIC CARBON (MIN)	9.0 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	6.1 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	8.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	3.9 MG/L		
385-S11-127A	VOA 8260	-	-	-	-
AAL01					
S11-DGS-DP105-GW-5					
50.00 - 0.00					
385-S11-128	HEADSPACE - VOC	METHANE	64 UG/L		
ADP49	CLP VOA	BENZENE	0.4 UG/L	J	g
S11-DGS-DP107-GW-1		CARBON DISULFIDE	0.4 UG/L	J	f,g
10.00 - 0.00		TOLUENE	0.7 UG/L	J	g
		XYLENE (TOTAL)	0.4 UG/L	J	g
	SVOA	-	-	-	-
	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	3.7 MG/L		
		SULFATE	179 MG/L		
	TOC	-	-	-	-
	DISSOLVED ORGANIC CARBON	-	-	-	-
385-S11-128A	VOA 8260	TOLUENE	1.1 UG/L		
AAL01					
S11-DGS-DP107-GW-1					
10.00 - 0.00					
385-S11-129	HEADSPACE - VOC	METHANE	5 UG/L		
DP49	SVOA	-	-	-	-
11-DGS-DP107-GW-2	MAJOR ANIONS	NITRATE AS N	6.3 MG/L		
25.00 - 0.00		SULFATE	361 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	6.5 MG/L		
		TOTAL ORGANIC CARBON (AVE)	6.5 MG/L		
		TOTAL ORGANIC CARBON (MAX)	9.1 MG/L		
		TOTAL ORGANIC CARBON (MIN)	2.7 MG/L		
	DISSOLVED ORGANIC CARBON	-	-	-	-
385-S11-129A	VOA 8260	1,1-DICHLOROETHANE	0.6 UG/L	J	g
AAL01		TOLUENE	1.4 UG/L		
S11-DGS-DP107-GW-2					
25.00 - 0.00					
385-S11-130	HEADSPACE - VOC	METHANE	14 UG/L		
ADP49	SVOA	-	-	-	-
S11-DGS-DP107-GW-5	MAJOR ANIONS	SULFATE	2580 MG/L		
50.00 - 0.00	TOC	TOTAL ORGANIC CARBON (AVE)	8.9 MG/L		
		TOTAL ORGANIC CARBON (MAX)	9.4 MG/L		
		TOTAL ORGANIC CARBON (MIN)	8.6 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	8.6 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	9.2 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	8.0 MG/L		
385-S11-130A	VOA 8260	-	-	-	-
AAL01					
S11-DGS-DP107-GW-5					
50.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-131	HEADSPACE - VOC	ETHENE	3 UG/L		
ADP54		METHANE	635 UG/L		
S11-DGS-DP108-GW-1	SVOA	-	-	-	-
10.00 - 0.00	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	1.3 MG/L		
		SULFATE	136 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.1 MG/L		
		TOTAL ORGANIC CARBON (AVE)	12.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	13.1 MG/L		
		TOTAL ORGANIC CARBON (MIN)	12.3 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	11.5 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	11.8 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	11.2 MG/L		
385-S11-131A	VOA 8260	1,1-DICHLOROETHANE	27 UG/L		
AAL01		CHLOROETHANE	560 UG/L		
S11-DGS-DP108-GW-1					
10.00 - 0.00					
385-S11-132	HEADSPACE - VOC	METHANE	69 UG/L		
ADP54	SVOA	-	-	-	-
S11-DGS-DP108-GW-2	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	7.4 MG/L		
25.00 - 0.00		SULFATE	166 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	25.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	26.1 MG/L		
		TOTAL ORGANIC CARBON (MIN)	24.8 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	25.0 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	25.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	24.6 MG/L		
385-S11-132A	VOA 8260	1,1,1-TRICHLOROETHANE	8.9 UG/L		
AAL01		1,1-DICHLOROETHANE	2200 UG/L		
S11-DGS-DP108-GW-2		1,1-DICHLOROETHENE	1400 UG/L		
25.00 - 0.00		CIS-1,2-DICHLOROETHENE	41 UG/L		
		TRANS-1,2-DICHLOROETHENE	11 UG/L		
		TRICHLOROETHENE	2.1 UG/L		
		VINYL CHLORIDE	3.3 UG/L		
385-S11-133	HEADSPACE - VOC	METHANE	9.7 UG/L		
ADP54	SVOA	-	-	-	-
S11-DGS-DP108-GW-5	MAJOR ANIONS	SULFATE	2040 MG/L		
50.00 - 0.00	TOC	TOTAL ORGANIC CARBON (AVE)	8.9 MG/L		
		TOTAL ORGANIC CARBON (MAX)	9.4 MG/L		
		TOTAL ORGANIC CARBON (MIN)	8.7 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	8.2 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	8.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	7.6 MG/L		
385-S11-133A	VOA 8260	1,1-DICHLOROETHANE	1.6 UG/L		
AAL01					
S11-DGS-DP108-GW-5					
50.00 - 0.00					
385-S11-135	HEADSPACE - VOC	METHANE	3420 UG/L		
ADP65	CLP VOA	BENZENE	0.7 UG/L		
S11-DGS-DP101-GW-1		METHYL TERT BUTYL ETHER	0.3 UG/L	J	g
10.00 - 12.00		VINYL CHLORIDE	1 UG/L		
	SVOA	-	-	-	-
	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	11.1 MG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-135	MAJOR ANIONS	SULFATE	58.0 MG/L		
ADP65	TOC	TOTAL ORGANIC CARBON (AVE)	22.4 MG/L		
S11-DGS-DP101-GW-1		TOTAL ORGANIC CARBON (MAX)	22.6 MG/L		
10.00 - 12.00		TOTAL ORGANIC CARBON (MIN)	22.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	22.3 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	22.9 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	22.0 MG/L		
385-S11-139	HEADSPACE - VOC	METHANE	19 UG/L		
ADP65	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.5 UG/L	J	g
S11-DGS-DP101-GW-2		TRICHLOROETHENE	3 UG/L		
25.00 - 27.00	SVOA	-	-	-	-
	MAJOR ANIONS	SULFATE	1510 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.4 MG/L		
		TOTAL ORGANIC CARBON (AVE)	13.3 MG/L		
		TOTAL ORGANIC CARBON (MAX)	16.7 MG/L		
		TOTAL ORGANIC CARBON (MIN)	11.8 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	11.9 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	12.5 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	11.5 MG/L		
385-S11-142	HEADSPACE - VOC	ETHANE	8.5 UG/L		
ADP65		ETHENE	4 UG/L		
S11-DGS-DP101-GW-5		METHANE	34 UG/L		
50.00 - 52.00	CLP VOA	ACETONE	22 UG/L		
		CARBON DISULFIDE	2 UG/L		
		TOLUENE	0.3 UG/L	J	g
		TRICHLOROETHENE	3 UG/L		
	SVOA	-	-	-	-
	MAJOR ANIONS	SULFATE	3460 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	7.4 MG/L		
		TOTAL ORGANIC CARBON (MAX)	8.0 MG/L		
		TOTAL ORGANIC CARBON (MIN)	6.3 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	7.3 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	7.7 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	7.0 MG/L		
385-S11-143	HEADSPACE - VOC	METHANE	22 UG/L		
ADP52	SVOA	-	-	-	-
S11-DGS-DP104-GW-2	MAJOR ANIONS	SULFATE	1710 MG/L		
25.00 - 27.00	TOC	SUSPENDED ORGANIC CARBON	1.7 MG/L		
		TOTAL ORGANIC CARBON (AVE)	5.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	8.6 MG/L		
		TOTAL ORGANIC CARBON (MIN)	4.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	3.9 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	5.1 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	3.1 MG/L		
385-S11-144	CLP VOA	-	-	-	-
ADP64					
S11-DGS-TB-2					
0.00 - 0.00					
385-S11-145	HEADSPACE - VOC	ETHENE	2 UG/L	J	g
ADP64		METHANE	19 UG/L		
S11-DGS-DP109-GW-2	CLP VOA	1,1-DICHLOROETHENE	6 UG/L	J	f
25.00 - 27.00		1,2-DICHLOROETHENE (TOTAL)	920 UG/L		
		BENZENE	0.8 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-145	CLP VOA	CARBON DISULFIDE	0.3 UG/L	J	f,g
ADP64		TRICHLOROETHENE	370 UG/L		
S11-DGS-DP109-GW-2		VINYL CHLORIDE	55 UG/L		
25.00 - 27.00	SVOA	-	-	-	-
	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	6.6 MG/L		
		SULFATE	174 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	2.3 MG/L		
		TOTAL ORGANIC CARBON (AVE)	4.1 MG/L		
		TOTAL ORGANIC CARBON (MAX)	7.6 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	1.8 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	2.8 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	1.1 MG/L		
385-S11-146	HEADSPACE - VOC	-	-	-	-
ADP64	CLP VOA	2-BUTANONE	0.5 UG/L	J	g
S11-DGS-ER-3		BROMODICHLOROMETHANE	1 UG/L	J	g
0.00 - 0.00		CHLOROFORM	4 UG/L		
		DIBROMOCHLOROMETHANE	0.4 UG/L	J	g
	SVOA	BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L	J	g
	MAJOR ANIONS	NITRATE AS N	0.11 MG/L		
		ORTHOPHOSPHATE PHOSPHORUS	0.086 MG/L	J	g
		SULFATE	0.60 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	3.0 MG/L		
		TOTAL ORGANIC CARBON (MAX)	3.4 MG/L		
		TOTAL ORGANIC CARBON (MIN)	2.4 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	2.6 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	3.3 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	1.7 MG/L		
385-S11-147	CLP VOA	-	-	-	-
ADP65					
S11-DGS-TB-3					
0.00 - 0.00					
35-S11-901	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S11-DGS-M11-05-GWD	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.2 UG/L		
385-S11-903	CLP VOA	-	-	-	-
ADP18					
S11-DGS-TB-1					
0.00 - 0.00					
385-S11-904	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S11-DGS-ER-1	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00					
385-S11-905	HEADSPACE - VOC	-	-	-	-
ADP51	SVOA	-	-	-	-
S11-DGS-ER-2	MAJOR ANIONS	NITRATE AS N	0.090 MG/L		
0.00 - 0.00	TOC	TOTAL ORGANIC CARBON (MAX)	3.7 MG/L		
		TOTAL ORGANIC CARBON (MIN)	2.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	2.6 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	2.7 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	2.6 MG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S11 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S11-905A AAL01 S11-DGS-ER-2 0.00 - 0.00	VOA 8260	-	-	-	-
385-S11-906 ADP51 S11-DGS-TB-2 0.00 - 0.00	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S12
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S12-001	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP27		TETRACHLOROETHENE	2 UG/L	J	g
S12-DGS-M12-01-GW		TRICHLOROETHENE	0.4 UG/L	J	g
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-002	CLP VOA	-	-	-	-
ADP27	SVOA	-	-	-	-
S12-DGS-M12-02-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.24 MG/L	J	a
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-003	CLP VOA	TRICHLOROETHENE	0.4 UG/L	J	g
ADP27	SVOA	-	-	-	-
S12-DGS-M12-03-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.41 MG/L	J	a
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-004	CLP VOA	-	-	-	-
ADP27	SVOA	-	-	-	-
S12-DGS-M12-04-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.26 MG/L	J	a
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-005	CLP VOA	-	-	-	-
ADP23	SVOA	-	-	-	-
S12-DGS-D12-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-901	CLP VOA	BROMOFORM	0.6 UG/L	J	g
ADP23		DIBROMOCHLOROMETHANE	0.4 UG/L	J	g
S12-DGS-ER-1	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.50 MG/L	MD	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-901A	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP27		TETRACHLOROETHENE	2 UG/L	J	g
S12-DGS-M12-01-GWD	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.27 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S12-902	CLP VOA	-	-	-	-
ADP27					
S12-DGS-TB-1					
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S13
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S13-020	LANDFILL GASES BY D1945	CARBON DIOXIDE	3.416 %		
ABS07		NITROGEN	78.58 %		
S13-DGS-SG03-SG-1.		OXYGEN	18.00 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	3.416 %		
		NITROGEN	78.58 %		
		OXYGEN	18.00 %		
	VOCS BY TO14	BENZENE	30.72 UG/M3		
		ETHYLBENZENE	17.91 UG/M3		
		M & P-XYLENE	74.56 UG/M3		
		O-XYLENE	14.75 UG/M3		
		TETRACHLOROETHENE	28.83 UG/M3		
		TOLUENE	304.82 UG/M3		
385-S13-021	LANDFILL GASES BY D1945	CARBON DIOXIDE	5.807 %		
ABS07		METHANE	17.891 %		
S13-DGS-SG03-SG-4		NITROGEN	66.22 %		
4.00 - 0.00		NMOC (C6+)	95.5 PPMV		
		OXYGEN	10.08 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	5.807 %		
		METHANE	17.891 %		
		NITROGEN	66.22 %		
		NMOC (C6+)	95.5 PPMV		
		OXYGEN	10.08 %		
	VOCS BY TO14	1,1,2,2-TETRACHLOROETHANE	70.79 UG/M3	J	a
		1,1,2-TRICHLOROETHANE	222.67 UG/M3	J	a
		1,2-DICHLOROETHANE	27.61 UG/M3	J	a
		BENZENE	52.00 UG/M3	J	a
		ETHYLBENZENE	48.27 UG/M3	J	a
		M & P-XYLENE	209.61 UG/M3	J	a
		O-XYLENE	35.62 UG/M3	J	a
		TETRACHLOROETHENE	33.86 UG/M3	J	a
		TOLUENE	938.15 UG/M3	J	a

ılidity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S13 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S13-001	CLP VOA	-	-	-	-
ADP13	SVOA	-	-	-	-
S13-DGS-MWOR-1-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.49 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	DIBENZ(A,H)ANTHRACENE	0.5 UG/L	J	g
385-S13-002	CLP VOA	TRICHLOROETHENE	0.6 UG/L	J	g
ADP14	TPH PURGEABLES (GASOLINE)	-	-	-	-
S13-DGS-MWOR-2-GW					
0.00 - 0.00					
385-S13-002A	SVOA	-	-	-	-
ADP29	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S13-DGS-MWOR-2-GW	PAH	-	-	-	-
0.00 - 0.00					
385-S13-003	CLP VOA	-	-	-	-
ADP14	SVOA	-	-	-	-
S13-DGS-MWOR-3-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.47 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S13-004	CLP VOA	-	-	-	-
ADP16	SVOA	-	-	-	-
S13-DGS-MWOR-4-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S13-005	CLP VOA	-	-	-	-
ADP16	SVOA	-	-	-	-
S13-DGS-MWOR-5-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
35-S13-006	CLP VOA	-	-	-	-
ADP13	SVOA	-	-	-	-
S13-DGS-M13-06-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.77 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.1 UG/L	J	g
385-S13-007	CLP VOA	-	-	-	-
ADP13	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.39 MG/L	J	a
S13-DGS-M13-07-GW					
0.00 - 0.00					
385-S13-007A	SVOA	2-METHYLNAPHTHALENE	41 UG/L		
ADP14		NAPHTHALENE	89 UG/L		
S13-DGS-M13-07-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	4.47 MG/L	J	z
0.00 - 0.00	PAH	ACENAPHTHENE	61 UG/L		
		NAPHTHALENE	60 UG/L		
385-S13-008	CLP VOA	-	-	-	-
ADP14	SVOA	-	-	-	-
S13-DGS-M13-08-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S13-009	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S13 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S13-009	SVOA	-	-	-	-
ADP14	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.75 MG/L	D	
S13-DGS-M13-09-GW	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00	PAH	FLUORANTHENE	0.2 UG/L	J	g
385-S13-010	CLP VOA	CARBON DISULFIDE	0.5 UG/L	J	g
ADP13	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.15 MG/L	H	
S13-DGS-MW-1-GW					
0.00 - 0.00					
385-S13-010A	SVOA	-	-	-	-
ADP14	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	4.12 MG/L	D	
S13-DGS-MW-1-GW	PAH	BENZO(G,H,I)PERYLENE	0.63 UG/L		
0.00 - 0.00		CHRYSENE	0.48 UG/L		
385-S13-011	CLP VOA	-	-	-	-
ADP16	SVOA	-	-	-	-
S13-DGS-D13-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S13-014	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	1300 UG/L		
S13-DGS-VE01-GW-5.	TPH PURGEABLES (GASOLINE)	-	-	-	-
5.50 - 8.00					
385-S13-014A	SVOA	-	-	-	-
ADP44					
S13-DGS-VE01-GW-5.					
5.50 - 8.00					
385-S13-017	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	-	-	-	-
13-DGS-VE02-GW-8.	TPH PURGEABLES (GASOLINE)	-	-	-	-
.50 - 10.00					
385-S13-017A	CLP VOA	1,2-DICHLOROBENZENE	0.4 UG/L	J	g
ADP43		1,4-DICHLOROBENZENE	0.4 UG/L	J	g
S13-DGS-VE02-GW-8.		CHLOROBENZENE	0.6 UG/L	J	g
8.50 - 10.00		XYLENE (TOTAL)	0.3 UG/L	J	g
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	1.9 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S13-027	CLP VOA	-	-	-	-
ADP87	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.1 MG/L		
S13-DGS-VE03-GW-7		MOTOR OIL RANGE ORGANICS	3.85 MG/L		
7.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S13-901	CLP VOA	-	-	-	-
ADP14	SVOA	-	-	-	-
S13-DGS-MWOR-3-GWD	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.56 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S13-902	CLP VOA	2-HEXANONE	0.4 UG/L	J	f,g
ADP43					
S13-DGS-TB-1					
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-062	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.845 %		
ABS05		NITROGEN	77.08 %		
S14-DGS-SG03-SG-1.		OXYGEN	22.07 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.845 %		
		NITROGEN	77.08 %		
		OXYGEN	22.07 %		
	VOCS BY TO14	BENZENE	10.36 UG/M3		
		M & P-XYLENE	53.30 UG/M3		
		O-XYLENE	16.95 UG/M3		
		TETRACHLOROETHENE	33.21 UG/M3		
		TOLUENE	134.53 UG/M3		
		TRICHLOROETHENE	18.02 UG/M3		
385-S14-063	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.339 %		
ABS05		NITROGEN	76.94 %		
S14-DGS-SG03-SG-4		OXYGEN	21.72 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.339 %		
		NITROGEN	76.94 %		
		OXYGEN	21.72 %		
	VOCS BY TO14	BENZENE	52.00 UG/M3		
		ETHYLBENZENE	81.58 UG/M3		
		M & P-XYLENE	386.83 UG/M3		
		O-XYLENE	79.36 UG/M3		
		TETRACHLOROETHENE	123.97 UG/M3		
		TOLUENE	977.19 UG/M3		
		TRICHLOROETHENE	130.13 UG/M3		
385-S14-067	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.530 %		
ABS05		NITROGEN	77.39 %		
S14-DGS-SG06-SG-1.		OXYGEN	22.08 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.530 %		
		NITROGEN	77.39 %		
		OXYGEN	22.08 %		
	VOCS BY TO14	BENZENE	66.55 UG/M3		
		ETHYLBENZENE	116.43 UG/M3		
		M & P-XYLENE	593.83 UG/M3		
		O-XYLENE	132.19 UG/M3		
		TETRACHLOROETHENE	27.71 UG/M3		
		TOLUENE	1171.75 UG/M3		
		TRICHLOROETHENE	55.84 UG/M3		
385-S14-068	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.053 %		
ABS05		NITROGEN	77.32 %		
S14-DGS-SG06-SG-4		OXYGEN	22.62 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.053 %		
		NITROGEN	77.32 %		
		OXYGEN	22.62 %		
	VOCS BY TO14	BENZENE	66.36 UG/M3		
		ETHYLBENZENE	188.76 UG/M3		
		M & P-XYLENE	888.87 UG/M3		
		O-XYLENE	186.92 UG/M3		
		TOLUENE	1705.31 UG/M3		
385-S14-072	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.593 %		
ABS05		NITROGEN	77.44 %		
S14-DGS-SG09-SG-1.		OXYGEN	20.97 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.593 %		
		NITROGEN	77.44 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-072	LANDFILL GASES BY D1945	OXYGEN	20.97 %		
ABS05	VOCS BY TO14	BENZENE	38.74 UG/M3		
S14-DGS-SG09-SG-1.		ETHYLBENZENE	51.81 UG/M3		
1.50 - 0.00		M & P-XYLENE	287.33 UG/M3		
		O-XYLENE	58.97 UG/M3		
		TOLUENE	605.61 UG/M3		
385-S14-073	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.058 %		
ABS05		NITROGEN	77.33 %		
S14-DGS-SG09-SG-4		OXYGEN	22.61 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.058 %		
		NITROGEN	77.33 %		
		OXYGEN	22.61 %		
	VOCS BY TO14	BENZENE	60.20 UG/M3		
		ETHYLBENZENE	117.35 UG/M3		
		M & P-XYLENE	541.30 UG/M3		
		O-XYLENE	125.87 UG/M3		
		TOLUENE	1114.50 UG/M3		
385-S14-077	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.663 %		
ABS06		NITROGEN	77.81 %		
S14-DGS-SG12-SG-1.		OXYGEN	19.53 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.663 %		
		NITROGEN	77.81 %		
		OXYGEN	19.53 %		
	VOCS BY TO14	1,1-DICHLOROETHANE	15.31 UG/M3	J	a
		BENZENE	16.10 UG/M3	J	a
		CIS-1,2-DICHLOROETHENE	13.32 UG/M3	J	a
		ETHYLBENZENE	22.56 UG/M3	J	a
		M & P-XYLENE	110.16 UG/M3	J	a
		O-XYLENE	23.52 UG/M3	J	a
		TOLUENE	245.50 UG/M3	J	a
		TRICHLOROETHENE	65.54 UG/M3	J	a
85-S14-078	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.051 %		
BS06		NITROGEN	78.00 %		
S14-DGS-SG12-SG-4		OXYGEN	21.95 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.051 %		
		NITROGEN	78.00 %		
		OXYGEN	21.95 %		
	VOCS BY TO14	BENZENE	22.37 UG/M3		
		ETHYLBENZENE	28.43 UG/M3		
		M & P-XYLENE	132.29 UG/M3		
		O-XYLENE	29.61 UG/M3		
		TOLUENE	316.16 UG/M3		
385-S14-953	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.052 %		
ABS05		NITROGEN	77.32 %		
S14-DGS-SG09-SG-4D		OXYGEN	22.62 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.052 %		
		NITROGEN	77.32 %		
		OXYGEN	22.62 %		
	VOCS BY TO14	BENZENE	27.78 UG/M3		
		ETHYLBENZENE	79.48 UG/M3		
		M & P-XYLENE	416.18 UG/M3		
		O-XYLENE	108.47 UG/M3		
		TOLUENE	773.99 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SEDIMT

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-057	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	21.8 %MST		
ABQ05	CLP VOA	-	-	-	-
S14-DGS-OF-W-SED	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	1800 MG/KG	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PH	PH	8.57		
	PERCENT MOISTURE	PERCENT MOISTURE	13.0 %MST		
	DIOXIN/FURAN	1,2,3,4,6,7,8-HPCDD	0.039 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.0046 UG/KG	J	g
		2,3,7,8-TCDF	0.00065 UG/KG	J	g
		OCDD	0.24 UG/KG		
		OCDF	0.0064 UG/KG	J	g
		TOTAL HPCDD	0.17 UG/KG		
		TOTAL HPCDF	0.010 UG/KG		
		TOTAL HXCDD	0.013 UG/KG		
		TOTAL HXCDF	0.0077 UG/KG		
		TOTAL PECDF	0.018 UG/KG		
		TOTAL TCDF	0.015 UG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
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d - Duplicate (precision) problems
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ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-023	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	7.1 %MST		
ABQ01	SVOA	-	-	-	-
S14-DGS-SS01-SO-0.	METALS (TOTAL)	ALUMINUM	5050 MG/KG		
0.50 - 1.00		ARSENIC	2.1 MG/KG		
		BARIUM	50.6 MG/KG		
		CADMIUM	0.11 MG/KG	J	g
		CALCIUM	4110 MG/KG	J	c
		CHROMIUM	34.7 MG/KG	J	c
		COBALT	6.8 MG/KG	J	g
		COPPER	7.6 MG/KG		
		IRON	10300 MG/KG		
		LEAD	9.8 MG/KG	J	d
		MAGNESIUM	3000 MG/KG	J	c
		MANGANESE	121 MG/KG		
		NICKEL	36.4 MG/KG		
		POTASSIUM	550 MG/KG	J	c,g
		VANADIUM	23.1 MG/KG		
		ZINC	26.4 MG/KG		
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	52 MG/KG		
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PH	PH	6.90	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	11.7 %MST		
	PAH	-	-	-	-
	DIOXIN/FURAN	1,2,3,4,6,7,8-HPCDD	0.011 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.0048 UG/KG	J	g
		OCDD	0.072 UG/KG		
		OCDF	0.0065 UG/KG	J	g
		TOTAL HPCDD	0.021 UG/KG		
		TOTAL HPCDF	0.0091 UG/KG		
		TOTAL HXCDF	0.0027 UG/KG		
		TOTAL TCDF	0.00054 UG/KG		
'85-S14-024	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	3.2 %MST		
3Q01	SVOA	-	-	-	-
S14-DGS-SS02-SO-0.	METALS (TOTAL)	ALUMINUM	3880 MG/KG		
0.50 - 1.00		ARSENIC	1.7 MG/KG		
		BARIUM	30.2 MG/KG	J	g
		CADMIUM	0.14 MG/KG	J	g
		CALCIUM	1840 MG/KG	J	c
		CHROMIUM	24.0 MG/KG	J	c
		COBALT	5.0 MG/KG	J	g
		COPPER	8.5 MG/KG		
		IRON	8030 MG/KG		
		LEAD	12.3 MG/KG	J	d
		MAGNESIUM	2730 MG/KG	J	c
		MANGANESE	119 MG/KG		
		NICKEL	28.2 MG/KG		
		POTASSIUM	417 MG/KG	J	c,g
		VANADIUM	15.0 MG/KG		
		ZINC	25.2 MG/KG		
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	120 MG/KG		
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PH	PH	7.31	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	2.1 %MST		
	PAH	-	-	-	-
	DIOXIN/FURAN	OCDD	0.017 UG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
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f - Calibration problems
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ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-024 ABQ01 S14-DGS-SS02-SO-0. 0.50 - 1.00	DIOXIN/FURAN	TOTAL HPCDD	0.0030 UG/KG		
385-S14-025 ABQ01 S14-DGS-SS03-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	22.0 %MST		
	SVOA	-	-	-	-
	METALS (TOTAL)	ALUMINUM	10100 MG/KG		
		ARSENIC	2.6 MG/KG		
		BARIUM	239 MG/KG		
		CADMIUM	0.064 MG/KG	J	g
		CALCIUM	4870 MG/KG	J	c
		CHROMIUM	60.6 MG/KG	J	c
		COBALT	12.9 MG/KG		
		COPPER	13.7 MG/KG		
		IRON	19600 MG/KG		
		LEAD	10.1 MG/KG	J	d
		MAGNESIUM	5850 MG/KG	J	c
		MANGANESE	206 MG/KG		
		MERCURY	0.16 MG/KG		
		NICKEL	75.9 MG/KG		
		POTASSIUM	1070 MG/KG	J	c,g
		VANADIUM	39.0 MG/KG		
		ZINC	45.5 MG/KG		
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	63 MG/KG		
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PH	PH	7.11	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	19.1 %MST		
	PAH	-	-	-	-
	DIOXIN/FURAN	2,3,7,8-TCDF	0.00092 UG/KG	J	g
		TOTAL HXCDF	0.017 UG/KG		
		TOTAL PECDF	0.021 UG/KG		
		TOTAL TCDF	0.015 UG/KG		
385-S14-026 ABQ01 S14-DGS-SS04-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	17.0 %MST		
	SVOA	-	-	-	-
	METALS (TOTAL)	ALUMINUM	3890 MG/KG		
		BARIUM	29.6 MG/KG	J	g
		CADMIUM	0.052 MG/KG	J	g
		CALCIUM	2480 MG/KG	J	c
		CHROMIUM	29.0 MG/KG	J	c
		COBALT	5.3 MG/KG	J	g
		IRON	8060 MG/KG		
		LEAD	1.8 MG/KG	J	d
		MAGNESIUM	2050 MG/KG	J	c
		MANGANESE	111 MG/KG		
		MERCURY	0.13 MG/KG		
		NICKEL	26.3 MG/KG		
		POTASSIUM	374 MG/KG	J	c,g
		VANADIUM	18.9 MG/KG		
		ZINC	16.3 MG/KG		
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	33 MG/KG		
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PH	PH	7.28	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	1.8 %MST		
	PAH	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
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f - Calibration problems
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ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-026 ABQ01 S14-DGS-SS04-SO-0. 0.50 - 1.00	DIOXIN/FURAN	-	-	-	-
385-S14-027 ABQ01 S14-DGS-SS05-SO-0. 0.25 - 0.75	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	21.2 %MST		
		1,2,3,4,6,7,8-HPCDD	0.022 UG/KG		
		OCDD	0.15 UG/KG		
		OCDF	0.010 UG/KG	J	g
		TOTAL HPCDD	0.048 UG/KG		
385-S14-028 ABQ01 S14-DGS-SS06-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	18.5 %MST		
		1,2,3,4,6,7,8-HPCDD	29 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.79 UG/KG		
		1,2,3,4,7,8,9-HPCDF	0.11 UG/KG		
		1,2,3,4,7,8-HXCDD	0.28 UG/KG		
		1,2,3,4,7,8-HXCDF	0.16 UG/KG		
		1,2,3,6,7,8-HXCDD	1.0 UG/KG		
		1,2,3,6,7,8-HXCDF	0.065 UG/KG		
		1,2,3,7,8,9-HXCDD	0.97 UG/KG		
		1,2,3,7,8-PECDD	0.24 UG/KG		
		1,2,3,7,8-PECDF	0.016 UG/KG		
		2,3,4,6,7,8-HXCDF	0.044 UG/KG		
		2,3,4,7,8-PECDF	0.018 UG/KG		
		2,3,7,8-TCDD	0.12 UG/KG		
		2,3,7,8-TCDF	0.019 UG/KG	J	f
		OCDD	180 UG/KG		
		OCDF	1.3 UG/KG		
		TOTAL HPCDD	56 UG/KG		
		TOTAL HPCDF	2.7 UG/KG		
		TOTAL HXCDD	7.1 UG/KG		
		TOTAL HXCDF	1.7 UG/KG		
		TOTAL PECDD	0.81 UG/KG		
		TOTAL PECDF	0.40 UG/KG		
		TOTAL TCDD	0.22 UG/KG		
		TOTAL TCDF	0.097 UG/KG		
385-S14-029 ABQ02 S14-DGS-SS07-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	19.9 %MST		
		1,2,3,4,6,7,8-HPCDD	0.85 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.045 UG/KG		
		1,2,3,4,7,8,9-HPCDF	0.0046 UG/KG	J	g
		1,2,3,4,7,8-HXCDD	0.0087 UG/KG		
		1,2,3,4,7,8-HXCDF	0.010 UG/KG		
		1,2,3,6,7,8-HXCDD	0.033 UG/KG		
		1,2,3,6,7,8-HXCDF	0.0048 UG/KG	J	g
		1,2,3,7,8,9-HXCDD	0.025 UG/KG		
		1,2,3,7,8-PECDD	0.0063 UG/KG		
		1,2,3,7,8-PECDF	0.0039 UG/KG	J	g
		2,3,4,6,7,8-HXCDF	0.0042 UG/KG	J	g
		2,3,4,7,8-PECDF	0.0050 UG/KG	J	g
		2,3,7,8-TCDD	0.0026 UG/KG		
		2,3,7,8-TCDF	0.0073 UG/KG	J	f
		OCDD	5.2 UG/KG	J	h
		OCDF	0.041 UG/KG		
		TOTAL HPCDD	1.6 UG/KG		
		TOTAL HPCDF	0.15 UG/KG		
		TOTAL HXCDD	0.23 UG/KG		
		TOTAL HXCDF	0.11 UG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-029 ABQ02 S14-DGS-SS07-SO-0. 0.50 - 1.00	DIOXIN/FURAN	TOTAL PECDD TOTAL PECDF TOTAL TCDD TOTAL TCDF	0.027 UG/KG 0.071 UG/KG 0.012 UG/KG 0.077 UG/KG		
385-S14-030 ABQ01 S14-DGS-SS08-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE 1,2,3,4,6,7,8-HPCDD OCDD TOTAL HPCDD TOTAL HXCDD TOTAL HXCDF TOTAL PECDF TOTAL TCDF	10.6 %MST 0.020 UG/KG 0.14 UG/KG 0.039 UG/KG 0.0031 UG/KG 0.0083 UG/KG 0.010 UG/KG 0.0016 UG/KG		
385-S14-031 ABQ01 S14-DGS-SS09-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE 1,2,3,4,6,7,8-HPCDD OCDD TOTAL HPCDD TOTAL PECDF TOTAL TCDF	7.0 %MST 0.0029 UG/KG 0.019 UG/KG 0.0029 UG/KG 0.0074 UG/KG 0.00071 UG/KG	 J	 g
385-S14-032 ABQ04 S14-DGS-SS10-SO-0. 0.50 - 1.00	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE OCDD TOTAL HPCDD TOTAL HXCDF TOTAL PECDF TOTAL TCDF	4.3 %MST 0.018 UG/KG 0.0031 UG/KG 0.0064 UG/KG 0.012 UG/KG 0.0033 UG/KG		
385-S14-033 ADP01 S14-DGS-SS11-SO-0. 0.50 - 1.00	METALS (TOTAL) HEXAVALENT CHROMIUM PERCENT MOISTURE	CHROMIUM - PERCENT MOISTURE	101 MG/KG - 3.8 %MST	J -	c -
385-S14-034 ABQ02 S14-DGS-HA01-SO-3 3.00 - 3.50	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE 1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8-PECDD 2,3,4,6,7,8-HXCDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF TOTAL HPCDD TOTAL HPCDF TOTAL HXCDD TOTAL HXCDF TOTAL PECDD TOTAL PECDF TOTAL TCDD TOTAL TCDF	3.6 %MST 1.7 UG/KG 0.092 UG/KG 0.010 UG/KG 0.014 UG/KG 0.016 UG/KG 0.052 UG/KG 0.0055 UG/KG 0.045 UG/KG 0.0089 UG/KG 0.0047 UG/KG 0.0041 UG/KG 0.0021 UG/KG 12 UG/KG 0.29 UG/KG 3.3 UG/KG 0.36 UG/KG 0.37 UG/KG 0.15 UG/KG 0.028 UG/KG 0.052 UG/KG 0.0066 UG/KG 0.017 UG/KG	 J J J	 g f h
385-S14-035	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	16.7 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-035 ABQ02 S14-DGS-HA01-SO-6 6.00 - 6.50	DIOXIN/FURAN	1,2,3,4,6,7,8-HPCDD	0.025 UG/KG		
		OCDD	0.18 UG/KG		
		TOTAL HPCDD	0.051 UG/KG		
385-S14-036 ABQ02 S14-DGS-HA01-SO-9 9.00 - 9.50	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	34.0 %MST		
		1,2,3,4,6,7,8-HPCDD	0.030 UG/KG		
		OCDD	0.20 UG/KG		
		TOTAL HPCDD	0.061 UG/KG		
		TOTAL HXCDD	0.0043 UG/KG		
385-S14-040 ABQ06 S14-DGS-HA02-SO-1 1.00 - 1.50	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	0.82 %MST		
		1,2,3,4,6,7,8-HPCDD	0.83 UG/KG	J	h
		1,2,3,4,6,7,8-HPCDF	0.10 UG/KG	J	h
		1,2,3,4,7,8,9-HPCDF	0.0053 UG/KG	J	h
		1,2,3,4,7,8-HXCDD	0.0075 UG/KG	J	h
		1,2,3,4,7,8-HXCDF	0.0068 UG/KG	J	h
		1,2,3,6,7,8-HXCDD	0.027 UG/KG	J	h
		1,2,3,6,7,8-HXCDF	0.0045 UG/KG	J	g,h
		1,2,3,7,8,9-HXCDD	0.019 UG/KG	J	h
		1,2,3,7,8-PECDD	0.0040 UG/KG	J	g,h
		2,3,4,6,7,8-HXCDF	0.0028 UG/KG	J	g,h
		2,3,7,8-TCDD	0.00087 UG/KG	J	g,h
		2,3,7,8-TCDF	0.0020 UG/KG	J	h
		OCDD	6.2 UG/KG	J	h
		OCDF	0.34 UG/KG	J	h
		TOTAL HPCDD	1.8 UG/KG	J	h
		TOTAL HPCDF	0.39 UG/KG	J	h
		TOTAL HXCDD	0.19 UG/KG	J	h
		TOTAL HXCDF	0.11 UG/KG	J	h
		TOTAL PECDD	0.016 UG/KG	J	h
		TOTAL PECDF	0.058 UG/KG	J	h
		TOTAL TCDD	0.0025 UG/KG	J	h
		TOTAL TCDF	0.024 UG/KG	J	h
385-S14-041 ABQ06 S14-DGS-HA02-SO-3 3.00 - 3.50	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	10.6 %MST		
		1,2,3,4,6,7,8-HPCDD	0.20 UG/KG	J	h
		1,2,3,4,6,7,8-HPCDF	0.041 UG/KG	J	h
		1,2,3,6,7,8-HXCDD	0.0058 UG/KG	J	h
		1,2,3,7,8,9-HXCDD	0.0050 UG/KG	J	g,h
		2,3,7,8-TCDF	0.00096 UG/KG	J	g,h
		OCDD	1.8 UG/KG	J	h
		OCDF	0.14 UG/KG	J	h
		TOTAL HPCDD	0.47 UG/KG	J	h
		TOTAL HPCDF	0.18 UG/KG	J	h
		TOTAL HXCDD	0.040 UG/KG	J	h
		TOTAL HXCDF	0.028 UG/KG	J	h
		TOTAL PECDF	0.0039 UG/KG	J	g,h
		TOTAL TCDF	0.0037 UG/KG	J	h
385-S14-042 ABQ06 S14-DGS-HA02-SO-6 6.00 - 6.50	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	6.1 %MST		
		1,2,3,4,6,7,8-HPCDD	0.25 UG/KG	J	h
		1,2,3,4,6,7,8-HPCDF	0.015 UG/KG	J	h
		1,2,3,4,7,8-HXCDF	0.0031 UG/KG	J	g,h
		1,2,3,6,7,8-HXCDD	0.0081 UG/KG	J	h
		1,2,3,7,8,9-HXCDD	0.0065 UG/KG	J	h
		2,3,7,8-TCDF	0.00098 UG/KG	J	g,h
		OCDD	1.9 UG/KG	J	h

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-042	DIOXIN/FURAN	OCDF	0.026 UG/KG	J	h
ABQ06		TOTAL HPCDD	0.51 UG/KG	J	h
S14-DGS-HA02-SO-6		TOTAL HPCDF	0.044 UG/KG	J	h
6.00 - 6.50		TOTAL HXCDD	0.051 UG/KG	J	h
		TOTAL HXCDF	0.026 UG/KG	J	h
		TOTAL PECDF	0.017 UG/KG	J	h
		TOTAL TCDF	0.0055 UG/KG	J	h
385-S14-043	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	1.4 %MST		
ABQ06		1,2,3,4,6,7,8-HPCDD	2.2 UG/KG	J	h
S14-DGS-HA03-SO-1		1,2,3,4,6,7,8-HPCDF	0.13 UG/KG	J	h
1.00 - 1.50		1,2,3,4,7,8,9-HPCDF	0.010 UG/KG	J	h
		1,2,3,4,7,8-HXCDD	0.020 UG/KG	J	h
		1,2,3,4,7,8-HXCDF	0.019 UG/KG	J	h
		1,2,3,6,7,8-HXCDD	0.064 UG/KG	J	h
		1,2,3,6,7,8-HXCDF	0.0088 UG/KG	J	h
		1,2,3,7,8,9-HXCDD	0.053 UG/KG	J	h
		1,2,3,7,8-PECDD	0.011 UG/KG	J	h
		2,3,4,6,7,8-HXCDF	0.0064 UG/KG	J	h
		2,3,4,7,8-PECDF	0.0035 UG/KG	J	g,h
		2,3,7,8-TCDD	0.0030 UG/KG	J	h
		2,3,7,8-TCDF	0.0039 UG/KG	J	h
		OCDD	17 UG/KG	J	h
		OCDF	0.33 UG/KG	J	h
		TOTAL HPCDD	4.6 UG/KG	J	h
		TOTAL HPCDF	0.43 UG/KG	J	h
		TOTAL HXCDD	0.50 UG/KG	J	h
		TOTAL HXCDF	0.22 UG/KG	J	h
		TOTAL PECDD	0.053 UG/KG	J	h
		TOTAL PECDF	0.12 UG/KG	J	h
		TOTAL TCDD	0.010 UG/KG	J	h
		TOTAL TCDF	0.045 UG/KG	J	h
385-S14-044	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	2.2 %MST		
ABQ06		1,2,3,4,6,7,8-HPCDD	1.8 UG/KG	J	h
S14-DGS-HA03-SO-3		1,2,3,4,6,7,8-HPCDF	0.10 UG/KG	J	h
3.00 - 3.50		1,2,3,4,7,8,9-HPCDF	0.0084 UG/KG	J	h
		1,2,3,4,7,8-HXCDD	0.019 UG/KG	J	h
		1,2,3,4,7,8-HXCDF	0.017 UG/KG	J	h
		1,2,3,6,7,8-HXCDD	0.060 UG/KG	J	h
		1,2,3,6,7,8-HXCDF	0.0060 UG/KG	J	h
		1,2,3,7,8,9-HXCDD	0.050 UG/KG	J	h
		1,2,3,7,8-PECDD	0.010 UG/KG	J	h
		2,3,4,6,7,8-HXCDF	0.0049 UG/KG	J	g,h
		2,3,4,7,8-PECDF	0.0028 UG/KG	J	g,h
		2,3,7,8-TCDD	0.0028 UG/KG	J	h
		2,3,7,8-TCDF	0.0022 UG/KG	J	h
		OCDD	13 UG/KG	J	e,h
		OCDF	0.19 UG/KG	J	e,h
		TOTAL HPCDD	3.8 UG/KG	J	h
		TOTAL HPCDF	0.32 UG/KG	J	h
		TOTAL HXCDD	0.49 UG/KG	J	h
		TOTAL HXCDF	0.17 UG/KG	J	h
		TOTAL PECDD	0.049 UG/KG	J	h
		TOTAL PECDF	0.097 UG/KG	J	h
		TOTAL TCDD	0.0095 UG/KG	J	h
		TOTAL TCDF	0.030 UG/KG	J	h
385-S14-045	PERCENT MOISTURE FOR OTHER	PERCENT MOISTURE	6.2 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-045	DIOXIN/FURAN	1,2,3,4,6,7,8-HPCDD	3.7 UG/KG	J	h
ABQ06		1,2,3,4,6,7,8-HPCDF	0.12 UG/KG	J	h
S14-DGS-HA03-SO-6		1,2,3,4,7,8,9-HPCDF	0.012 UG/KG	J	h
6.00 - 6.50		1,2,3,4,7,8-HXCDD	0.033 UG/KG	J	h
		1,2,3,4,7,8-HXCDF	0.020 UG/KG	J	h
		1,2,3,6,7,8-HXCDD	0.12 UG/KG	J	h
		1,2,3,6,7,8-HXCDF	0.0085 UG/KG	J	h
		1,2,3,7,8,9-HXCDD	0.086 UG/KG	J	h
		1,2,3,7,8-PECDD	0.019 UG/KG	J	h
		2,3,4,6,7,8-HXCDF	0.0062 UG/KG	J	h
		2,3,4,7,8-PECDF	0.0031 UG/KG	J	g,h
		2,3,7,8-TCDD	0.0047 UG/KG	J	h
		2,3,7,8-TCDF	0.0016 UG/KG	J	h
		OCDD	30 UG/KG	J	e,h
		OCDF	0.14 UG/KG	J	e,h
		TOTAL HPCDD	8.1 UG/KG	J	h
		TOTAL HPCDF	0.370 UG/KG	J	h
		TOTAL HXCDD	0.95 UG/KG	J	h
		TOTAL HXCDF	0.27 UG/KG	J	h
		TOTAL PECDD	0.11 UG/KG	J	h
		TOTAL PECDF	0.11 UG/KG	J	h
		TOTAL TCDD	0.023 UG/KG	J	h
		TOTAL TCDF	0.037 UG/KG	J	h
385-S14-046	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	10.0 %MST		
ABQ06		1,2,3,4,6,7,8-HPCDD	0.028 UG/KG	J	h
S14-DGS-HA04-SO-1		1,2,3,4,6,7,8-HPCDF	0.012 UG/KG	J	h
1.00 - 1.50		2,3,7,8-TCDF	0.0010 UG/KG	J	f,g,h
		OCDD	0.21 UG/KG	J	h
		OCDF	0.020 UG/KG	J	h
		TOTAL HPCDD	0.062 UG/KG	J	h
		TOTAL HPCDF	0.026 UG/KG	J	h
		TOTAL HXCDD	0.0079 UG/KG	J	h
		TOTAL HXCDF	0.011 UG/KG	J	h
		TOTAL PECDF	0.016 UG/KG	J	f,h
		TOTAL TCDF	0.0086 UG/KG	J	f,h
385-S14-047	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	9.3 %MST		
ABQ06		1,2,3,4,6,7,8-HPCDD	0.31 UG/KG	J	h
S14-DGS-HA04-SO-3		1,2,3,4,6,7,8-HPCDF	0.017 UG/KG	J	h
3.00 - 3.50		1,2,3,4,7,8-HXCDD	0.0049 UG/KG	J	g,h
		1,2,3,6,7,8-HXCDD	0.010 UG/KG	J	h
		1,2,3,7,8,9-HXCDD	0.0093 UG/KG	J	h
		2,3,7,8-TCDD	0.0011 UG/KG	J	h
		2,3,7,8-TCDF	0.0011 UG/KG	J	f,h
		OCDD	2.3 UG/KG	J	h
		OCDF	0.019 UG/KG	J	h
		TOTAL HPCDD	0.62 UG/KG	J	h
		TOTAL HPCDF	0.049 UG/KG	J	h
		TOTAL HXCDD	0.077 UG/KG	J	h
		TOTAL HXCDF	0.020 UG/KG	J	h
		TOTAL PECDF	0.015 UG/KG	J	h
		TOTAL TCDD	0.0011 UG/KG	J	h
		TOTAL TCDF	0.0072 UG/KG	J	h
385-S14-048	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	6.1 %MST		
ABQ06		1,2,3,4,6,7,8-HPCDD	0.047 UG/KG	J	h
S14-DGS-HA04-SO-6		1,2,3,4,6,7,8-HPCDF	0.0030 UG/KG	J	g,h

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
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d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-048 ABQ06 S14-DGS-HA04-SO-6 6.00 - 6.50	DIOXIN/FURAN	OCDD	0.45 UG/KG	J	h
		TOTAL HPCDD	0.098 UG/KG	J	h
		TOTAL HPCDF	0.0092 UG/KG	J	h
		TOTAL HXCDD	0.0072 UG/KG	J	h
385-S14-049 ABQ04 S14-DGS-HA05-SO-0. 0.10 - 0.60	PERCENT MOISTURE FOR OTHER DIOXIN/FURAN	PERCENT MOISTURE	7.5 %MST		
		1,2,3,4,6,7,8-HPCDD	0.28 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.018 UG/KG		
		1,2,3,6,7,8-HXCDD	0.010 UG/KG		
		1,2,3,7,8,9-HXCDD	0.0049 UG/KG	J	g
		2,3,7,8-TCDD	0.00067 UG/KG	J	g
		2,3,7,8-TCDF	0.00080 UG/KG	J	g
		OCDD	2.1 UG/KG		
		OCDF	0.013 UG/KG		
		TOTAL HPCDD	0.56 UG/KG		
		TOTAL HPCDF	0.056 UG/KG		
		TOTAL HXCDD	0.059 UG/KG		
		TOTAL HXCDF	0.043 UG/KG		
		TOTAL PECDF	0.045 UG/KG		
		TOTAL TCDD	0.0012 UG/KG		
		TOTAL TCDF	0.021 UG/KG		
385-S14-085 ABQ07 S14-DGS-SS13-SO-0. 0.50 - 1.00	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE	3.8 %MST		
		1,2,3,4,6,7,8-HPCDD	0.38 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.021 UG/KG		
		1,2,3,4,7,8-HXCDD	0.0027 UG/KG	J	g
		1,2,3,4,7,8-HXCDF	0.0084 UG/KG		
		1,2,3,6,7,8-HXCDD	0.012 UG/KG		
		1,2,3,7,8,9-HXCDD	0.0095 UG/KG		
		2,3,7,8-TCDD	0.00060 UG/KG	J	g
		2,3,7,8-TCDF	0.0022 UG/KG		
		OCDD	2.4 UG/KG		
		OCDF	0.033 UG/KG		
		TOTAL HPCDD	0.74 UG/KG		
		TOTAL HPCDF	0.062 UG/KG		
		TOTAL HXCDD	0.080 UG/KG		
		TOTAL HXCDF	0.041 UG/KG		
		TOTAL PECDD	0.0035 UG/KG		
		TOTAL PECDF	0.016 UG/KG		
		TOTAL TCDD	0.0057 UG/KG		
		TOTAL TCDF	0.025 UG/KG		
385-S14-086 ABQ07 S14-DGS-SS12-SO-0. 0.50 - 1.00	PERCENT MOISTURE DIOXIN/FURAN	PERCENT MOISTURE	3.2 %MST		
		1,2,3,4,6,7,8-HPCDD	0.72 UG/KG		
		1,2,3,4,6,7,8-HPCDF	0.075 UG/KG		
		1,2,3,4,7,8-HXCDD	0.0084 UG/KG		
		1,2,3,4,7,8-HXCDF	0.0059 UG/KG		
		1,2,3,6,7,8-HXCDD	0.025 UG/KG		
		1,2,3,6,7,8-HXCDF	0.0067 UG/KG		
		1,2,3,7,8,9-HXCDD	0.020 UG/KG		
		1,2,3,7,8-PECDD	0.0059 UG/KG		
		2,3,4,6,7,8-HXCDF	0.0060 UG/KG	J	f
		2,3,4,7,8-PECDF	0.0044 UG/KG	J	g
		2,3,7,8-TCDD	0.0032 UG/KG		
		2,3,7,8-TCDF	0.0042 UG/KG		
		OCDD	4.2 UG/KG	J	e,h
		OCDF	0.076 UG/KG	J	e
		TOTAL HPCDD	1.4 UG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-086	DIOXIN/FURAN	TOTAL HPCDF	0.15 UG/KG		
ABQ07		TOTAL HXCDD	0.21 UG/KG		
S14-DGS-SS12-SO-0.		TOTAL HXCDF	0.18 UG/KG		
0.50 - 1.00		TOTAL PECDD	0.025 UG/KG		
		TOTAL PECDF	0.18 UG/KG		
		TOTAL TCDD	0.010 UG/KG		
		TOTAL TCDF	0.074 UG/KG		
385-S14-087	SVOA	ANTHRACENE	360 UG/KG	J	g
ADP80		BENZO(A)ANTHRACENE	433 UG/KG		
S14-DGS-HA-PAT1-SO		BENZO(A)PYRENE	300 UG/KG	J	e
8.50 - 9.00		BENZO(B)FLUORANTHENE	360 UG/KG	J	e,g
		BENZO(K)FLUORANTHENE	270 UG/KG	J	e,g
		CHRYSENE	632 UG/KG		
		FLUORANTHENE	1100 UG/KG		
		PHENANTHRENE	1100 UG/KG		
		PYRENE	1600 UG/KG		
	METALS (TOTAL)	ALUMINUM	8250 MG/KG		
		ARSENIC	4.4 MG/KG		
		BARIUM	75.2 MG/KG		
		CALCIUM	5760 MG/KG		
		CHROMIUM	37.1 MG/KG		
		COBALT	9.5 MG/KG	J	g
		COPPER	21.7 MG/KG		
		IRON	17500 MG/KG		
		LEAD	19.8 MG/KG		
		MAGNESIUM	4630 MG/KG		
		MANGANESE	276 MG/KG		
		MERCURY	0.22 MG/KG		
		NICKEL	34.9 MG/KG		
		POTASSIUM	712 MG/KG	J	g
		SELENIUM	0.47 MG/KG	J	g
		VANADIUM	39.7 MG/KG		
		ZINC	61.6 MG/KG		
	PESTICIDES	4,4'-DDT	3.0 UG/KG	J	g
		ALPHA-CHLORDANE	2.3 UG/KG	J	p
		GAMMA-CHLORDANE	2.9 UG/KG		
	PCB	-	-	-	-
	PH	PH	8.60	J	h
	PERCENT MOISTURE	MOISTURE	22.2 %MST		
385-S14-088	SVOA	BENZO(A)ANTHRACENE	532 UG/KG		
ADP80		BENZO(A)PYRENE	390 UG/KG		
S14-DGS-HA-PAT1-SO		BENZO(B)FLUORANTHENE	515 UG/KG		
5.00 - 5.50		BENZO(K)FLUORANTHENE	270 UG/KG	J	g
		CHRYSENE	578 UG/KG		
		FLUORANTHENE	1100 UG/KG		
		PHENANTHRENE	210 UG/KG	J	g
		PYRENE	980 UG/KG		
	METALS (TOTAL)	ALUMINUM	7720 MG/KG		
		ARSENIC	3.5 MG/KG		
		BARIUM	62.9 MG/KG		
		CALCIUM	4350 MG/KG		
		CHROMIUM	33.1 MG/KG		
		COBALT	9.2 MG/KG	J	g
		COPPER	17.4 MG/KG		
		IRON	18200 MG/KG		
		LEAD	74.8 MG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
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g - Quantification below reporting limit
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ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-088	METALS (TOTAL)	MAGNESIUM	3990 MG/KG		
ADP80		MANGANESE	291 MG/KG		
S14-DGS-HA-PAT1-SO		MERCURY	0.16 MG/KG		
5.00 - 5.50		NICKEL	30.8 MG/KG		
		POTASSIUM	645 MG/KG	J	g
		SELENIUM	0.49 MG/KG	J	g
		VANADIUM	34.9 MG/KG		
		ZINC	50.0 MG/KG		
	PESTICIDES	4,4'-DDT	3.3 UG/KG	J	g
		ALPHA-CHLORDANE	1.5 UG/KG	J	g
		GAMMA-CHLORDANE	2.1 UG/KG		
	PCB	-	-	-	-
	PH	PH	8.79	J	h
	PERCENT MOISTURE	MOISTURE	14.6 %MST		
385-S14-089	SVOA	BENZO(A)PYRENE	73 UG/KG	J	e
ADP80		FLUORANTHENE	180 UG/KG	J	g
S14-DGS-HA-PAT1-SO		PYRENE	180 UG/KG	J	g
2.00 - 2.50	METALS (TOTAL)	ALUMINUM	8690 MG/KG		
		ARSENIC	4.0 MG/KG		
		BARIUM	56.7 MG/KG		
		CALCIUM	13900 MG/KG		
		CHROMIUM	42.0 MG/KG		
		COBALT	11.4 MG/KG		
		COPPER	19.1 MG/KG		
		IRON	15900 MG/KG		
		LEAD	14.1 MG/KG		
		MAGNESIUM	5920 MG/KG		
		MANGANESE	295 MG/KG		
		MERCURY	0.13 MG/KG		
		NICKEL	42.3 MG/KG		
		POTASSIUM	746 MG/KG	J	g
		VANADIUM	36.3 MG/KG		
		ZINC	61.9 MG/KG		
	PESTICIDES	ALPHA-CHLORDANE	0.9 UG/KG	J	g
		GAMMA-CHLORDANE	1.5 UG/KG	J	g
	PCB	-	-	-	-
	PH	PH	8.98	J	h
	PERCENT MOISTURE	MOISTURE	5.3 %MST		
385-S14-090	SVOA	BENZO(A)PYRENE	66 UG/KG	J	g
ADP80	METALS (TOTAL)	ALUMINUM	7070 MG/KG		
S14-DGS-HA-PAT2-SO		ARSENIC	2.3 MG/KG		
6.50 - 7.00		BARIUM	40.6 MG/KG	J	g
		CALCIUM	5820 MG/KG		
		CHROMIUM	34.0 MG/KG		
		COBALT	8.1 MG/KG	J	g
		COPPER	15.7 MG/KG		
		IRON	15300 MG/KG		
		LEAD	18.8 MG/KG		
		MAGNESIUM	3940 MG/KG		
		MANGANESE	200 MG/KG		
		MERCURY	0.23 MG/KG		
		NICKEL	33.3 MG/KG		
		POTASSIUM	632 MG/KG	J	g
		VANADIUM	30.6 MG/KG		
		ZINC	48.3 MG/KG		
	PESTICIDES	GAMMA-CHLORDANE	1.0 UG/KG	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
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e - Internal standard problems
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g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-090	PCB	AROCLOR-1260	21 UG/KG	J	g
ADP80	PH	PH	8.53	J	h
S14-DGS-HA-PAT2-SO	PERCENT MOISTURE	MOISTURE	8.1 %MST		
6.50 - 7.00					
385-S14-091	SVOA	BENZO(A)PYRENE	91 UG/KG		
ADP80	METALS (TOTAL)	ALUMINUM	6150 MG/KG		
S14-DGS-HA-PAT2-SO		ARSENIC	2.7 MG/KG		
5.00 - 5.50		BARIUM	47.0 MG/KG		
		CALCIUM	3750 MG/KG		
		CHROMIUM	32.7 MG/KG		
		COBALT	7.7 MG/KG	J	g
		COPPER	13.0 MG/KG		
		IRON	13300 MG/KG		
		LEAD	19.5 MG/KG		
		MAGNESIUM	3630 MG/KG		
		MANGANESE	203 MG/KG		
		MERCURY	0.27 MG/KG		
		NICKEL	32.9 MG/KG		
		POTASSIUM	666 MG/KG	J	g
		VANADIUM	28.8 MG/KG		
		ZINC	46.6 MG/KG		
	PESTICIDES	4,4'-DDD	4.6 UG/KG	J	p
		4,4'-DDT	6.7 UG/KG		
		GAMMA-CHLORDANE	1.5 UG/KG	J	g
	PCB	AROCLOR-1260	21 UG/KG	J	g
	PH	PH	8.56	J	h
	PERCENT MOISTURE	MOISTURE	8.7 %MST		
385-S14-092	SVOA	BENZO(A)ANTHRACENE	190 UG/KG	J	g
ADP80		BENZO(A)PYRENE	240 UG/KG		
S14-DGS-HA-PAT2-SO		BENZO(B)FLUORANTHENE	290 UG/KG	J	g
2.00 - 2.50		CHRYSENE	300 UG/KG	J	g
		FLUORANTHENE	384 UG/KG		
		PYRENE	354 UG/KG		
	METALS (TOTAL)	ALUMINUM	6620 MG/KG		
		ARSENIC	1.9 MG/KG		
		BARIUM	43.8 MG/KG		
		CALCIUM	2850 MG/KG		
		CHROMIUM	31.0 MG/KG		
		COBALT	7.8 MG/KG	J	g
		COPPER	14.1 MG/KG		
		IRON	14100 MG/KG		
		LEAD	19.6 MG/KG		
		MAGNESIUM	3750 MG/KG		
		MANGANESE	228 MG/KG		
		MERCURY	0.085 MG/KG	J	g
		NICKEL	32.3 MG/KG		
		POTASSIUM	586 MG/KG	J	g
		VANADIUM	29.0 MG/KG		
		ZINC	46.2 MG/KG		
	PESTICIDES	4,4'-DDT	5.9 UG/KG	J	p
	PCB	AROCLOR-1260	55 UG/KG		
	PH	PH	8.60	J	h
	PERCENT MOISTURE	MOISTURE	6.9 %MST		
385-S14-093	PERCENT MOISTURE	MOISTURE	11.1 %MST		
ADP81	PAH	ACENAPHTHYLENE	150 UG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-093	PAH	ANTHRACENE	710 UG/KG		
ADP81		BENZ(A)ANTHRACENE	1400 UG/KG		
S14-DGS-DP13-SO-0		BENZO(A)PYRENE	630 UG/KG		
0.00 - 0.50		BENZO(B)FLUORANTHENE	1300 UG/KG		
		BENZO(G,H,I)PERYLENE	180 UG/KG		
		BENZO(K)FLUORANTHENE	530 UG/KG		
		CHRYSENE	1900 UG/KG		
		DIBENZ(A,H)ANTHRACENE	88 UG/KG	J	g
		FLUORANTHENE	950 UG/KG		
		INDENO(1,2,3-CD)PYRENE	200 UG/KG		
		PHENANTHRENE	120 UG/KG		
		PYRENE	1200 UG/KG		
385-S14-094	PERCENT MOISTURE	MOISTURE	15.5 %MST		
ADP81	PAH	BENZ(A)ANTHRACENE	83 UG/KG	J	g
S14-DGS-DP13-SO-0.		BENZO(A)PYRENE	66 UG/KG	J	g
0.50 - 2.00		BENZO(B)FLUORANTHENE	94 UG/KG	J	g
		CHRYSENE	90 UG/KG	J	g
		FLUORANTHENE	90 UG/KG	J	g
		PYRENE	91 UG/KG	J	g
385-S14-095	PERCENT MOISTURE	MOISTURE	12.0 %MST		
ADP81	PAH	2-METHYLNAPHTHALENE	320 UG/KG		
S14-DGS-DP13-SO-2		BENZO(G,H,I)PERYLENE	17 UG/KG	J	g
2.00 - 4.00		CHRYSENE	20 UG/KG	J	g
		NAPHTHALENE	962 UG/KG		
385-S14-096	PERCENT MOISTURE	MOISTURE	3.4 %MST		
ADP81	PAH	-	-	-	-
S14-DGS-DP14-SO-0					
0.00 - 0.50					
385-S14-097	PERCENT MOISTURE	MOISTURE, PERCENT	8.7 %MST		
ADP81	PAH	BENZ(A)ANTHRACENE	690 UG/KG		
S14-DGS-DP14-SO-0.		BENZO(A)PYRENE	570 UG/KG		
0.50 - 2.00		BENZO(B)FLUORANTHENE	660 UG/KG		
		BENZO(G,H,I)PERYLENE	300 UG/KG	J	g
		BENZO(K)FLUORANTHENE	640 UG/KG		
		CHRYSENE	690 UG/KG		
		DIBENZ(A,H)ANTHRACENE	380 UG/KG	J	g
		FLUORANTHENE	380 UG/KG	J	g
		INDENO(1,2,3-CD)PYRENE	340 UG/KG	J	g
		PYRENE	410 UG/KG	J	g
385-S14-098	PERCENT MOISTURE FOR OTHER	MOISTURE	14.1 %MST		
ADP89	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S14-DGS-DP14-SO-2	TPH PURGEABLES (GASOLINE)	-	-	-	-
2.00 - 4.00	PERCENT MOISTURE	MOISTURE, PERCENT	14.1 %MST		
	PAH	-	-	-	-
385-S14-099	PERCENT MOISTURE	MOISTURE, PERCENT	6.2 %MST		
ADP81	PAH	CHRYSENE	110 UG/KG	J	g
S14-DGS-DP15-SO-0					
0.00 - 0.50					
385-S14-100	PERCENT MOISTURE	MOISTURE, PERCENT	6.7 %MST		
ADP81	PAH	BENZ(A)ANTHRACENE	86 UG/KG	J	g
S14-DGS-DP15-SO-0.		BENZO(A)PYRENE	68 UG/KG	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-100 ADP81 S14-DGS-DP15-SO-0. 0.50 - 2.00	PAH	BENZO(B)FLUORANTHENE	70 UG/KG	J	g
		BENZO(K)FLUORANTHENE	63 UG/KG	J	g
		CHRYSENE	74 UG/KG	J	g
		FLUORANTHENE	58 UG/KG	J	g
		PYRENE	60 UG/KG	J	g
385-S14-101 ADP81 S14-DGS-DP15-SO-2 2.00 - 4.00	PERCENT MOISTURE	MOISTURE, PERCENT	17.3 %MST		
	PAH	-	-	-	-
385-S14-102 ADP81 S14-DGS-DP16-SO-0 0.00 - 0.50	PERCENT MOISTURE	MOISTURE, PERCENT	9.1 %MST		
	PAH	BENZ(A)ANTHRACENE	73 UG/KG	J	g
		BENZO(A)PYRENE	61 UG/KG	J	g
		BENZO(B)FLUORANTHENE	73 UG/KG	J	g
		BENZO(K)FLUORANTHENE	66 UG/KG	J	g
		CHRYSENE	80 UG/KG	J	g
385-S14-103 ADP82 S14-DGS-DP16-SO-0. 0.50 - 2.00	PERCENT MOISTURE	MOISTURE	11.0 %MST		
	PAH	-	-	-	-
385-S14-104 ADP82 S14-DGS-DP16-SO-2 2.00 - 4.00	PERCENT MOISTURE	MOISTURE	11.7 %MST		
	PAH	BENZ(A)ANTHRACENE	65 UG/KG	J	g
		BENZO(A)PYRENE	70 UG/KG	J	g
		CHRYSENE	95 UG/KG	J	g
		FLUORANTHENE	160 UG/KG		
		FLUORENE	990 UG/KG	J	e
		PYRENE	160 UG/KG		

Validity (Qual) : J - Estimated concentration

pplicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-001 AAL02 S14-DGS-DP01-GW-7 7.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-002 AAL02 S14-DGS-DP01-GW-18 18.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- GASOLINE RANGE ORGANICS	- 69 UG/L	- J	- h,z
385-S14-003 AAL02 S14-DGS-DP02-GW-7 7.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-004 AAL02 S14-DGS-DP02-GW-16 16.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-005 AAL02 S14-DGS-DP03-GW-6 6.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-006 AAL02 S14-DGS-DP03-GW-18 18.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-007 AAL02 S14-DGS-DP04-GW-6 .00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-007A ADP26 S14-DGS-DP04-GW-6 6.00 - 0.00	CLP VOA TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE ETHYLBENZENE TOLUENE VINYL CHLORIDE XYLENE (TOTAL) -	33 UG/L 14 UG/L 0.4 UG/L 0.3 UG/L 3 UG/L 120 UG/L 2 UG/L -	J J J J J J J -	a a a,g a,g a a a,g -
385-S14-008 AAL02 S14-DGS-DP04-GW-18 18.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-009 AAL02 S14-DGS-DP05-GW-5 5.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S14-010 AAL02 S14-DGS-DP06-GW-5 5.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-011	VOA 8260	-	-	-	-
AAL02	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S14-DGS-DP07-GW-6	TPH PURGEABLES (GASOLINE)	-	-	-	-
6.00 - 0.00					
385-S14-012	VOA 8260	-	-	-	-
AAL02	TPH PURGEABLES (GASOLINE)	-	-	-	-
S14-DGS-DP08-GW-7					
7.00 - 0.00					
385-S14-013	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.9 UG/L	J	g
ADP05	SVOA	-	-	-	-
S14-DGS-M14-01-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.55 MG/L	D	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-014	CLP VOA	-	-	-	-
ADP04	SVOA	-	-	-	-
S14-DGS-M14-02-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.24 MG/L	D	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-015	CLP VOA	-	-	-	-
ADP04	SVOA	-	-	-	-
S14-DGS-M14-03-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.20 MG/L	D	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-016	CLP VOA	-	-	-	-
ADP06	SVOA	-	-	-	-
S14-DGS-D14-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-017	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	6 UG/L		
ADP05	SVOA	-	-	-	-
S14-DGS-M112-A-01-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.27 MG/L	M	
.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-018	CLP VOA	1,1-DICHLOROETHANE	5 UG/L		
ADP05		1,2-DICHLOROETHENE (TOTAL)	4 UG/L		
S14-DGS-M113-A-01-		BENZENE	1 UG/L		
0.00 - 0.00		VINYL CHLORIDE	32 UG/L		
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.96 MG/L	D	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-019	CLP VOA	1,1-DICHLOROETHANE	210 UG/L		
ADP06		1,2-DICHLOROETHENE (TOTAL)	760 UG/L		
S14-DGS-M101-A-01-		TOLUENE	35 UG/L	J	g
0.00 - 0.00		VINYL CHLORIDE	790 UG/L		
		XYLENE (TOTAL)	22 UG/L	J	g
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	2.37 MG/L	DM	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.97 MG/L		
385-S14-020	CLP VOA	CARBON DISULFIDE	0.5 UG/L	J	g
ADP06	SVOA	-	-	-	-
S14-DGS-M101-C-01-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.45 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S14-022	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-022 ADP05 S14-DGS-M114-A-GW 0.00 - 0.00	SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- MOTOR OIL RANGE ORGANICS -	- 0.2 MG/L -	- M -	- -
385-S14-052 AAL01 S14-DGS-VE01-GW-4. 4.50 - 6.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	M,P-XYLENES - -	1 UG/L - -	 - -	 - -
385-S14-055 AAL01 S14-DGS-VE02-GW-5 5.00 - 6.50	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S14-056 ADP25 S14-DGS-OF-W-GW 0.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- MOTOR OIL RANGE ORGANICS -	- 0.1 MG/L -	- M -	- -
385-S14-058 ADP25 S14-DGS-CB-BBA-GWI 0.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS	- 0.27 MG/L 0.03 MG/L	- D J	- g
385-S14-059 ADP25 S14-DGS-CB-BBD-GWI 0.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	CHLOROBENZENE DIESEL RANGE ORGANICS -	0.3 UG/L 0.24 MG/L -	J D -	g -
385-S14-080 AAL02 S14-DGS-DP02-GW-23 3.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE -	1.7 UG/L 2.3 UG/L -	 -	 -
385-S14-081 AAL01 S14-DGS-DP01-GW-23 23.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHENE VINYL CHLORIDE -	1.8 UG/L 1.8 UG/L 5.2 UG/L -	 -	 -
385-S14-082 AAL01 S14-DGS-DP01-GW-28 28.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S14-083 AAL01 S14-DGS-DP11-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	CIS-1,2-DICHLOROETHENE - -	1.3 UG/L - -	 - -	 - -
385-S14-083A ADP43 S14-DGS-DP11-GW-7 7.00 - 0.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE TOLUENE XYLENE (TOTAL) MOTOR OIL RANGE ORGANICS -	2 UG/L 0.3 UG/L 1 UG/L 0.6 UG/L 1.1 MG/L -	J J J J DM -	g g g g -
385-S14-084	VOA 8260	CIS-1,2-DICHLOROETHENE	4.4 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S14 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S14-084 AAL01 S14-DGS-DP12-GW-7 7.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	VINYL CHLORIDE - -	7.7 UG/L - -	 - -	 - -
385-S14-901 ADP06 S14-DGS-D14-01-GWD 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - DIESEL RANGE ORGANICS -	- - 1.8 MG/L -	- - D -	- - -
385-S14-905 ADP05 S14-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S14-907 ABQ03 S14-DGS-ER-1 0.00 - 0.00	DIOXIN/FURAN	OCDD	80 PG/L	J	g
385-S14-908 ADP10 S14-DGS-ER-2 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	BROMOFORM METHYL TERT BUTYL ETHER - - -	0.4 UG/L 0.3 UG/L - - -	J J - - -	g g - - -
385-S14-909 ADP06 S14-DGS-TB-2 0.00 - 0.00	CLP VOA	-	-	-	-
385-S14-910 ADP09 14-DGS-ER-3 .00 - 0.00	METALS (TOTAL) PCB DIOXIN/FURAN	- - -	- - -	- - -	- - -
385-S14-911 AAL02 S14-DGS-ER-4 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S14-912 AAL01 S14-DGS-ER-5 0.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S14-913 ABQ07 S14-DGS-ER-6 0.00 - 0.00	DIOXIN/FURAN	-	-	-	-
385-S14-914 ADP80 S14-DGS-HA-ER 0.00 - 0.00	SVOA PESTICIDES PCB	- - -	- - -	- - -	- - -
385-S14-954 ADP82 S14-DGS-ER-7 0.00 - 0.00	PAH	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S15
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S15-001 ADP07 S15-DGS-HA01-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	12.9 MG/KG - 16.3 %MST	J - 	c -
385-S15-002 ADP07 S15-DGS-HA01-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.6 MG/KG - 19.1 %MST	J - 	c -
385-S15-003 ADP07 S15-DGS-HA02-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	113 MG/KG - 13.7 %MST	J - 	c -
385-S15-004 ADP07 S15-DGS-HA02-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.9 MG/KG - 34.0 %MST	J - 	c -
385-S15-005 ADP07 S15-DGS-HA03-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	19.4 MG/KG - 19.7 %MST	J - 	c -
385-S15-006 ADP07 S15-DGS-HA03-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	4.7 MG/KG - 21.2 %MST	J - 	c -
385-S15-007 ADP07 S15-DGS-HA04-SO-0. .50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	26.5 MG/KG 69 UG/KG 14.9 %MST	J 	c
385-S15-008 ADP07 S15-DGS-HA04-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	25.3 MG/KG 86 UG/KG 23.0 %MST	J 	c
385-S15-009 ADP07 S15-DGS-HA05-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	26.3 MG/KG 44 UG/KG 18.1 %MST	J 	c
385-S15-010 ADP08 S15-DGS-HA05-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	25.1 MG/KG 120 UG/KG 6.0 %MST		
385-S15-011 ADP07 S15-DGS-HA06-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	11.7 MG/KG 98 UG/KG 13.8 %MST	J 	c
385-S15-012 ADP07 S15-DGS-HA06-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	17.3 MG/KG - 45.0 %MST	J - 	c -

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S15 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S15-013 ADP07 S15-DGS-HA07-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	17.7 MG/KG 210 UG/KG 6.2 %MST	J	c
385-S15-014 ADP07 S15-DGS-HA07-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	5.1 MG/KG - 19.0 %MST	J -	c -
385-S15-015 ADP08 S15-DGS-HA08-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	21.4 MG/KG - 22.6 %MST	-	-
385-S15-016 ADP08 S15-DGS-HA08-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	4.4 MG/KG - 21.3 %MST	-	-
385-S15-017 ADP08 S15-DGS-HA09-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.2 MG/KG - 31.1 %MST	-	-
385-S15-018 ADP08 S15-DGS-HA09-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	13.8 MG/KG - 43.6 %MST	-	-
385-S15-019 ADP08 S15-DGS-HA10-SO-0. .50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	6.4 MG/KG - 21.6 %MST	-	-
385-S15-020 ADP08 S15-DGS-HA10-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	5.8 MG/KG - 22.3 %MST	-	-
385-S15-021 ADP08 S15-DGS-HA11-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	16.1 MG/KG - 17.8 %MST	-	-
385-S15-022 ADP08 S15-DGS-HA11-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	8.0 MG/KG - 28.2 %MST	-	-
385-S15-023 ADP09 S15-DGS-HA12-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	6.9 MG/KG - 16.1 %MST	-	-
385-S15-024 ADP09 S15-DGS-HA12-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	7.7 MG/KG - 29.3 %MST	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S15 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S15-025 ADP09 S15-DGS-HA13-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.4 MG/KG - 28.1 %MST	-	-
385-S15-026 ADP09 S15-DGS-HA13-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.8 MG/KG - 19.4 %MST	-	-
385-S15-027 ADP09 S15-DGS-HA14-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	21.3 MG/KG - 36.2 %MST	-	-
385-S15-028 ADP09 S15-DGS-HA14-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	9.4 MG/KG - 15.4 %MST	-	-
385-S15-029 ADP63 S15-DGS-HA15-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	21.2 MG/KG 360 UG/KG 7.4 %MST		
385-S15-030 ADP63 S15-DGS-HA15-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	5.6 MG/KG 27 UG/KG 6.8 %MST	J	g
385-S15-031 ADP63 S15-DGS-HA16-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	124 MG/KG 870 UG/KG 15.4 %MST		
385-S15-032 ADP63 S15-DGS-HA16-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD AROCLOR-1260 (PCB-1260) PERCENT MOISTURE	12.2 MG/KG 26 UG/KG 16.8 %MST	J	g
385-S15-033 ADP63 S15-DGS-HA17-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	233 MG/KG - 14.8 %MST	-	-
385-S15-034 ADP63 S15-DGS-HA17-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	12.4 MG/KG - 50.7 %MST	-	-
385-S15-035 ADP63 S15-DGS-HA18-SO-0. 0.50 - 1.00	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	32.0 MG/KG - 17.3 %MST	-	-
385-S15-036 ADP63 S15-DGS-HA18-SO-2 2.00 - 2.50	METALS (TOTAL) PCB PERCENT MOISTURE	LEAD - PERCENT MOISTURE	13.1 MG/KG - 43.4 %MST	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S15 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S15-051	METALS (TOTAL)	CHROMIUM	28.7 MG/KG		
ADP08	HEXAVALENT CHROMIUM	-	-	-	-
S15-DGS-HA26-SO-0.	PERCENT MOISTURE	PERCENT MOISTURE	20.9 %MST		
0.50 - 1.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S15 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S15-902	METALS (TOTAL)	CHROMIUM	1.9 UG/L	J	g
ADP08		LEAD	1.6 UG/L	J	g
S15-DGS-ER-1	PCB	-	-	-	-
0.00 - 0.00	HEXAVALENT CHROMIUM	-	-	-	-
385-S15-903	METALS (TOTAL)	-	-	-	-
ADP63	PCB	-	-	-	-
S15-DGS-ER-2					
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-028	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.445 %		
ABS07		N-PENTANE	1.9 PPMV		
S16-DGS-SG03-SG-0.		NITROGEN	77.46 %		
0.50 - 1.50		NMOC (C6+)	74.3 PPMV		
		OXYGEN	22.09 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.445 %		
		N-PENTANE	1.9 PPMV		
		NITROGEN	77.46 %		
		NMOC (C6+)	74.3 PPMV		
		OXYGEN	22.09 %		
	VOCS BY TO14	BENZENE	73.40 UG/M3		
		ETHYLBENZENE	361.58 UG/M3		
		M & P-XYLENE	1389.32 UG/M3		
		O-XYLENE	329.08 UG/M3		
		TETRACHLOROETHENE	27.93 UG/M3		
		TOLUENE	674.92 UG/M3		
385-S16-029	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.199 %		
ABS07		N-PENTANE	2.3 PPMV		
S16-DGS-SG03-SG-0.		NITROGEN	77.54 %		
0.50 - 4.00		NMOC (C6+)	20.0 PPMV		
		OXYGEN	22.26 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.199 %		
		N-PENTANE	2.3 PPMV		
		NITROGEN	77.54 %		
		NMOC (C6+)	20.0 PPMV		
		OXYGEN	22.26 %		
	VOCS BY TO14	BENZENE	52.52 UG/M3		
		ETHYLBENZENE	83.25 UG/M3		
		M & P-XYLENE	308.72 UG/M3		
		O-XYLENE	62.99 UG/M3		
		TOLUENE	263.89 UG/M3		
85-S16-033	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.913 %		
3S08		N-PENTANE	1.2 PPMV		
S16-DGS-SG06-SG-1.		NITROGEN	77.93 %		
1.50 - 0.00		NMOC (C6+)	36.6 PPMV		
		OXYGEN	21.16 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.913 %		
		N-PENTANE	1.2 PPMV		
		NITROGEN	77.93 %		
		NMOC (C6+)	36.6 PPMV		
		OXYGEN	21.16 %		
	VOCS BY TO14	BENZENE	58.58 UG/M3		
		ETHYLBENZENE	165.10 UG/M3		
		M & P-XYLENE	617.13 UG/M3		
		O-XYLENE	129.60 UG/M3		
		TOLUENE	470.49 UG/M3		
		TRICHLOROETHENE	100.25 UG/M3		
385-S16-034	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.993 %		
ABS08		NITROGEN	77.97 %		
S16-DGS-SG06-SG-4		OXYGEN	21.04 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.993 %		
		NITROGEN	77.97 %		
		OXYGEN	21.04 %		
	VOCS BY TO14	BENZENE	86.10 UG/M3		
		ETHYLBENZENE	333.54 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-034 ABS08 S16-DGS-SG06-SG-4 4.00 - 0.00	VOCS BY TO14	M & P-XYLENE O-XYLENE TOLUENE TRICHLOROETHENE	1256.92 UG/M3 293.11 UG/M3 1241.34 UG/M3 170.31 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-009 ADP35 S16-DGS-DP08-SO-4 4.00 - 4.50	PESTICIDES	ALPHA-CHLORDANE	190 UG/KG		
		GAMMA-CHLORDANE	202 UG/KG		
	PCB	-	-	-	-
	PH	PH	9.05	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	14.9 %MST		
385-S16-010 ADP37 S16-DGS-DP09-SO-4 4.00 - 4.50	PESTICIDES	-	-	-	-
	PCB	-	-	-	-
	PERCENT MOISTURE	PERCENT MOISTURE	18.3 %MST		
385-S16-066 ADP68 S16-DGS-DP26-SO-4 4.00 - 4.50	PESTICIDES	ALPHA-CHLORDANE	9.1 UG/KG	J	p
		GAMMA-CHLORDANE	9.6 UG/KG		
	PERCENT MOISTURE	PERCENT MOISTURE	2.9 %MST		
385-S16-067 ADP68 S16-DGS-DP27-SO-4 4.00 - 4.50	PESTICIDES	-	-	-	-
	PERCENT MOISTURE	PERCENT MOISTURE	5.5 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-001 AAL02 S16-DGS-DP01-GW-8 8.00 - 0.00	VOA 8260	-	-	-	-
385-S16-001A ADP37 S16-DGS-DP01-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BENZENE CARBON DISULFIDE CHLOROBENZENE TOLUENE TRICHLOROETHENE	5200 UG/L 14 UG/L 1000 UG/L 0.5 UG/L 0.4 UG/L 110 UG/L 0.4 UG/L 2 UG/L	 J J J	
385-S16-002 AAL01 S16-DGS-DP01-GW-11 11.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CIS-1,2-DICHLOROETHENE	7.3 UG/L 2.2 UG/L 1.1 UG/L 5.2 UG/L		
385-S16-003 AAL01 S16-DGS-DP01-GW-13 13.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE	2300 UG/L 130 UG/L 660 UG/L 270 UG/L		
385-S16-004 AAL01 S16-DGS-DP01-GW-56 56.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE	3 UG/L		
385-S16-005 AAL02 S16-DGS-DP02-GW-7 7.00 - 9.00	VOA 8260	-	-	-	-
85-S16-006 AAL02 S16-DGS-DP03-GW-5. 5.50 - 7.50	VOA 8260 TPH EXTRACTABLES (DIESEL)	- -	- -	- -	- -
385-S16-006A ADP28 S16-DGS-DP03-GW-5. 5.50 - 7.50	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROETHENE (TOTAL) METHYL TERT BUTYL ETHER TETRACHLOROETHENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE MOTOR OIL RANGE ORGANICS GASOLINE RANGE ORGANICS	65 UG/L 0.4 UG/L 0.8 UG/L 0.8 UG/L 1 UG/L 10 UG/L 0.58 MG/L 0.05 MG/L	 J J J J M J	 g g g g g
385-S16-007 AAL02 S16-DGS-DP04-GW-8 8.00 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S16-008 AAL02 S16-DGS-DP05-GW-5. 5.50 - 7.50	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- - -	- - -	- - -	- - -
385-S16-011	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-011	SVOA	-	-	-	-
ADP33	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.25 MG/L	DM	
S16-DGS-MWC2-1-GW	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00					
385-S16-012	CLP VOA	1,2-DICHLOROBENZENE	120 UG/L		
ADP10		1,2-DICHLOROETHENE (TOTAL)	0.7 UG/L	J	g
S16-DGS-MWC2-2-GW		1,4-DICHLOROBENZENE	32 UG/L		
0.00 - 0.00		CHLOROBENZENE	1 UG/L	J	g
		TRICHLOROETHENE	3 UG/L		
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.1 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.06 MG/L	J	z
385-S16-013	CLP VOA	1,2-DICHLOROBENZENE	2 UG/L	J	g
ADP10		1,2-DICHLOROETHENE (TOTAL)	0.4 UG/L	J	g
S16-DGS-MWC2-3-GW	PESTICIDES	-	-	-	-
0.00 - 0.00	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z
385-S16-014	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.3 UG/L	J	g
ADP68		TRICHLOROETHENE	0.4 UG/L	J	g
S16-DGS-M16-04-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.37 MG/L		
8.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S16-015	CLP VOA	1,1,1-TRICHLOROETHANE	3 UG/L		
ADP10		1,1-DICHLOROETHANE	0.4 UG/L	J	g
S16-DGS-608MJ-MW3-		1,1-DICHLOROETHENE	1 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	100 UG/L		
		TETRACHLOROETHENE	4 UG/L		
		TRICHLOROETHENE	4 UG/L		
		VINYL CHLORIDE	4 UG/L		
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.21 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.07 MG/L	J	z
385-S16-016	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	92 UG/L		
ADP10		TETRACHLOROETHENE	35 UG/L		
S16-DGS-608MJ-MW2-		TRICHLOROETHENE	10 UG/L		
0.00 - 0.00		VINYL CHLORIDE	4 UG/L		
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.07 MG/L	J	z
385-S16-017	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.4 UG/L	J	g
ADP10		TETRACHLOROETHENE	10 UG/L		
S16-DGS-608MJ-MW1-		TRICHLOROETHENE	1 UG/L	J	g
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.48 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z
385-S16-023	VOA 8260	METHYL-T-BUTYLETHER	4.2 UG/L		
AAL01	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	320 UG/L		
S16-DGS-VE02-GW-5	TPH PURGEABLES (GASOLINE)	-	-	-	-
5.00 - 7.00					
385-S16-024	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.6 UG/L	J	g
ADP31	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.74 MG/L	MD	
S16-DGS-CB-1-QA-GW	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00					
385-S16-025	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-025 ADP31 S16-DGS-OF-Q-GWI 0.00 - 0.00	TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	MOTOR OIL RANGE ORGANICS -	0.23 MG/L -	M -	 -
385-S16-036 AAL01 S16-DGS-DP11-GW-5 5.00 - 0.00	VOA 8260	M,P-XYLENES TOLUENE VINYL CHLORIDE	2.2 UG/L 3.8 UG/L 0.7 UG/L	 J	 g
385-S16-037 AAL01 S16-DGS-DP10-GW-5 5.00 - 0.00	VOA 8260	CIS-1,2-DICHLOROETHENE M,P-XYLENES TETRACHLOROETHENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE	21 UG/L 1.9 UG/L 2.9 UG/L 2.6 UG/L 2.1 UG/L 2.1 UG/L		
385-S16-038 AAL01 S16-DGS-DP12-GW-5 5.00 - 7.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	M,P-XYLENES TETRACHLOROETHENE TOLUENE - -	1.3 UG/L 1.6 UG/L 2 UG/L - -	 - -	 - -
385-S16-038A ADP48 S16-DGS-DP12-GW-5 5.00 - 7.00	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROETHENE (TOTAL) TETRACHLOROETHENE TOLUENE TRICHLOROETHENE XYLENE (TOTAL) - -	0.5 UG/L 0.8 UG/L 1 UG/L 0.4 UG/L 1 UG/L - -	J J J J J - -	g g g g g - -
385-S16-039 AAL01 16-DGS-DP01-GW-18 8.00 - 20.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	3 UG/L 1.1 UG/L 4.2 UG/L		
385-S16-040 AAL01 S16-DGS-DP01-GW-25 25.00 - 27.00	VOA 8260	1,2-DICHLOROBENZENE M,P-XYLENES O-XYLENE TOLUENE	1 UG/L 3.8 UG/L 1.3 UG/L 4.8 UG/L		
385-S16-041 AAL01 S16-DGS-DP16-GW-8 8.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	5100 UG/L 100 UG/L 1400 UG/L 1.3 UG/L 480 UG/L 7.2 UG/L 1.3 UG/L 3.1 UG/L 1.9 UG/L		
385-S16-042 AAL01 S16-DGS-DP16-GW-12 12.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TOLUENE	28 UG/L 8.5 UG/L 2.1 UG/L 150 UG/L 35 UG/L 1.2 UG/L		
385-S16-043	VOA 8260	1,2-DICHLOROBENZENE	8.5 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-043 AAL01 S16-DGS-DP16-GW-16 16.00 - 0.00	VOA 8260	1,4-DICHLOROBENZENE TOLUENE	1.9 UG/L 1.7 UG/L		
385-S16-044 AAL01 S16-DGS-DP15-GW-8 8.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TOLUENE TRICHLOROETHENE	1800 UG/L 40 UG/L 170 UG/L 31 UG/L 2.7 UG/L 1 UG/L 2.2 UG/L		
385-S16-045 AAL01 S16-DGS-DP15-GW-12 12.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	1100 UG/L 3.5 UG/L 49 UG/L 9.5 UG/L 2700 UG/L 180 UG/L 2.2 UG/L 4.5 UG/L 1.7 UG/L		
385-S16-046 AAL01 S16-DGS-DP15-GW-16 16.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE	4.6 UG/L 1 UG/L 3.6 UG/L		
385-S16-047 AAL01 S16-DGS-DP17-GW-8 8.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	72 UG/L 2.5 UG/L 13 UG/L 73 UG/L 12 UG/L 1 UG/L 7.1 UG/L		
385-S16-048 AAL01 S16-DGS-DP17-GW-12 12.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TOLUENE	2 UG/L 1.2 UG/L 1.2 UG/L 1.1 UG/L		
385-S16-049 AAL01 S16-DGS-DP17-GW-16 16.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE M,P-XYLENES TOLUENE	1.4 UG/L 1.2 UG/L 2.1 UG/L		
385-S16-050 AAL01 S16-DGS-DP14-GW-5 5.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TOLUENE TRICHLOROETHENE	1.2 UG/L 6.7 UG/L 2.3 UG/L 1.4 UG/L 1.5 UG/L		
385-S16-051 ADP60 S16-DGS-DP18-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE CHLOROBENZENE TOLUENE	380 UG/L 12 UG/L 35 UG/L 23 UG/L 2 UG/L	 J	 g
385-S16-052	CLP VOA	1,2-DICHLOROBENZENE	0.3 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-052 ADP60 S16-DGS-DP18-GW-12 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TOLUENE XYLENE (TOTAL)	2 UG/L 1 UG/L 0.8 UG/L	 J J	 g g
385-S16-053 ADP60 S16-DGS-DP19-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE CHLOROBENZENE	320 UG/L 4 UG/L 96 UG/L 61 UG/L	J J J J	a a,g a a
385-S16-054 ADP60 S16-DGS-DP19-GW-12 12.00 - 14.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE ETHYLBENZENE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	17 UG/L 56 UG/L 6 UG/L 4 UG/L 500 UG/L 0.4 UG/L 2 UG/L 0.9 UG/L 0.9 UG/L	 J J J	 g g g
385-S16-055 ADP60 S16-DGS-DP20-GW-8 8.00 - 10.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) CHLOROBENZENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	2 UG/L 18 UG/L 0.9 UG/L 1 UG/L 4 UG/L 0.3 UG/L 0.6 UG/L	 J J J J	 g g g g
385-S16-056 AAT01 S16-DGS-DP13-GW-5 5.00 - 7.00	VOA 8260	-	-	-	-
85-S16-057 AT04 S16-DGS-DP21-GW-8 8.00 - 10.00	VOA 8260	TRICHLOROETHENE	0.7 UG/L	J	c
385-S16-058 AAT04 S16-DGS-DP22-GW-8 8.00 - 10.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRICHLOROETHENE	74 UG/L 2.6 UG/L 13 UG/L 8.4 UG/L 1.4 UG/L 2.3 UG/L	J J J J J J	c c c c c c
385-S16-059 AAT04 S16-DGS-DP22-GW-12 12.00 - 14.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE ETHYLBENZENE TOLUENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE	1300 UG/L 30 UG/L 180 UG/L 2.5 UG/L 630 UG/L 63 UG/L 0.5 UG/L 0.6 UG/L 3.7 UG/L 0.9 UG/L 1.1 UG/L	 J J J J J J J J	 c c c c c c c c
385-S16-060	VOA 8260	1,1-DICHLOROETHANE	3.7 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-060 AAT04 S16-DGS-DP23-GW-8 8.00 - 10.00	VOA 8260	1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	0.6 UG/L 0.9 UG/L 39 UG/L 0.6 UG/L 5.9 UG/L		
385-S16-061 AAT08 S16-DGS-DP24-GW-8 8.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	74 UG/L 1.9 UG/L 9.7 UG/L 27 UG/L 16 UG/L 0.5 UG/L 1.7 UG/L 3.7 UG/L		
385-S16-062 AAT08 S16-DGS-DP24-GW-12 12.00 - 0.00	VOA 8260	1,2-DICHLOROBENZENE BENZENE CHLOROBENZENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	1.7 UG/L 0.8 UG/L 2.3 UG/L 73 UG/L 0.7 UG/L 1.1 UG/L		
385-S16-063 AAT08 S16-DGS-DP24-GW-16 16.00 - 0.00	VOA 8260	-	-	-	-
385-S16-064 AAT08 S16-DGS-DP22-GW-16 16.00 - 0.00	VOA 8260	CIS-1,2-DICHLOROETHENE	0.7 UG/L		
385-S16-065 AT08 16-DGS-DP25-GW-8 8.00 - 0.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	8.6 UG/L 0.5 UG/L 41 UG/L 0.6 UG/L 0.5 UG/L	J	h
385-S16-068 ADP72 S16-DGS-DP29-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	7 UG/L 2 UG/L 2 UG/L 1 UG/L	J J J J	a a,g a,g a,g
385-S16-069 ADP72 S16-DGS-DP29-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE CHLOROETHANE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	7 UG/L 64 UG/L 0.9 UG/L 0.5 UG/L 2 UG/L 2 UG/L 2 UG/L	 J J	 g g
385-S16-070 ADP72 S16-DGS-DP31-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) BENZENE CHLOROBENZENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE	15 UG/L 16 UG/L 0.3 UG/L 28 UG/L 1 UG/L 2 UG/L 0.5 UG/L	 J J J J	 g g g g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-070 ADP72 S16-DGS-DP31-GW-8 8.00 - 10.00	CLP VOA	XYLENE (TOTAL)	0.8 UG/L	J	g
385-S16-071 ADP72 S16-DGS-DP31-GW-12 12.00 - 14.00	CLP VOA	1,2-DICHLOROBENZENE	0.4 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	37 UG/L		
		BENZENE	0.5 UG/L		
		CHLOROBENZENE	2 UG/L	J	g
		TOLUENE	1 UG/L	J	g
		VINYL CHLORIDE	0.7 UG/L		
		XYLENE (TOTAL)	0.7 UG/L	J	g
385-S16-072 ADP72 S16-DGS-DP28-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	52 UG/L		
		BENZENE	0.4 UG/L	J	g
		TOLUENE	1 UG/L	J	g
		TRICHLOROETHENE	0.7 UG/L	J	g
		VINYL CHLORIDE	1 UG/L		
		XYLENE (TOTAL)	0.7 UG/L	J	g
385-S16-073 ADP72 S16-DGS-DP28-GW-12 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	12 UG/L		
		TOLUENE	1 UG/L	J	g
		VINYL CHLORIDE	0.4 UG/L	J	g
		XYLENE (TOTAL)	0.6 UG/L	J	g
385-S16-074 ADP72 S16-DGS-DP28-GW-16 16.00 - 18.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	2 UG/L	J	g
		TOLUENE	3 UG/L		
		XYLENE (TOTAL)	1 UG/L	J	g
385-S16-075 ADP72 S16-DGS-DP30-GW-8 .00 - 10.00	CLP VOA	1,1-DICHLOROETHANE	7 UG/L		
		1,1-DICHLOROETHENE	1 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	49 UG/L		
		TOLUENE	1 UG/L	J	g
		TRICHLOROETHENE	6 UG/L		
		VINYL CHLORIDE	0.4 UG/L	J	g
		XYLENE (TOTAL)	0.6 UG/L	J	g
385-S16-076 ADP72 S16-DGS-DP30-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE	9 UG/L		
		1,1-DICHLOROETHENE	0.5 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	86 UG/L		
		BENZENE	0.5 UG/L		
		TOLUENE	1 UG/L	J	g
		VINYL CHLORIDE	1 UG/L		
		XYLENE (TOTAL)	0.5 UG/L	J	g
385-S16-080 ADP85 S16-DGS-DP32-GW-8 8.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE	3 UG/L		
		1,2-DICHLOROETHENE (TOTAL)	18 UG/L		
		CARBON DISULFIDE	0.5 UG/L	J	g
		TOLUENE	0.6 UG/L	J	g
		TRICHLOROETHENE	2 UG/L	J	g
		VINYL CHLORIDE	0.6 UG/L		
		XYLENE (TOTAL)	1 UG/L	J	g
385-S16-081 ADP85 S16-DGS-DP32-GW-12 12.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE	0.4 UG/L	J	g
		1,2-DICHLOROETHENE (TOTAL)	0.6 UG/L	J	g
		TOLUENE	0.6 UG/L	J	g
		XYLENE (TOTAL)	0.5 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-082 ADP85 S16-DGS-DP33-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	3 UG/L 0.5 UG/L 0.3 UG/L 0.5 UG/L	 J J J	 g g g
385-S16-083 ADP85 S16-DGS-DP33-GW-12 12.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE	0.4 UG/L 2 UG/L	J	g
385-S16-084 ADP85 S16-DGS-DP34-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE	16000 UG/L 1000 UG/L 2700 UG/L		
385-S16-085 ADP85 S16-DGS-DP34-GW-12 12.00 - 0.00	CLP VOA	1,2-DICHLOROBENZENE	2 UG/L		
385-S16-086 ADP85 S16-DGS-DP35-GW-8 8.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	0.3 UG/L 5 UG/L 0.3 UG/L 0.9 UG/L 0.8 UG/L 1 UG/L	J J J J J	g g g g g
385-S16-087 ADP85 S16-DGS-DP35-GW-12 12.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE CARBON DISULFIDE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	1 UG/L 8 UG/L 0.8 UG/L 0.4 UG/L 0.9 UG/L 0.3 UG/L 1 UG/L	 J J J J	 g g g g
385-S16-088 ADP85 S16-DGS-DP36-GW-8 8.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	15 UG/L 2 UG/L 52 UG/L 0.5 UG/L 0.7 UG/L 1 UG/L 0.3 UG/L	 J J J J J	 g g g g g
385-S16-089 ADP85 S16-DGS-DP36-GW-12 12.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) TOLUENE	31 UG/L 130 UG/L 2 UG/L	 J	 g
385-S16-090 ADP85 S16-DGS-DP37-GW-8 8.00 - 0.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) BENZENE CARBON DISULFIDE TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	12 UG/L 1 UG/L 190 UG/L 0.3 UG/L 1 UG/L 1 UG/L 3 UG/L 2 UG/L 1 UG/L	 J J J J J	 g g g g g
385-S16-091	CLP VOA	1,1-DICHLOROETHANE	31 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-091 ADP85 S16-DGS-DP37-GW-12 12.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CHLOROETHANE TOLUENE VINYL CHLORIDE	150 UG/L 2 UG/L 2 UG/L 2 UG/L	 J J J	 g g g
385-S16-092 ADP84 S16-DGS-DP38-GW-8 8.00 - 0.00	CLP VOA	XYLENE (TOTAL)	0.6 UG/L	J	g
385-S16-093 ADP84 S16-DGS-DP38-GW-12 12.00 - 0.00	CLP VOA	METHYL TERT BUTYL ETHER XYLENE (TOTAL)	0.5 UG/L 0.5 UG/L	J J	g g
385-S16-094 ADP84 S16-DGS-DP39-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) XYLENE (TOTAL)	0.6 UG/L 0.3 UG/L	J J	g g
385-S16-095 ADP84 S16-DGS-DP39-GW-12 12.00 - 0.00	CLP VOA	XYLENE (TOTAL)	0.7 UG/L	J	g
385-S16-096 ADP93 S16-DGS-DP40-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE	3 UG/L 5 UG/L		
385-S16-097 ADP93 S16-DGS-DP40-GW-12 2.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CHLOROBENZENE	4 UG/L 0.3 UG/L	 J	 g
385-S16-098 ADP93 S16-DGS-DP41-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CHLOROBENZENE	1 UG/L 0.4 UG/L	J J	g g
385-S16-099 ADP93 S16-DGS-DP41-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE	4 UG/L 78 UG/L 0.7 UG/L 2 UG/L		
385-S16-100 ADP93 S16-DGS-DP42-GW-8 8.00 - 10.00	CLP VOA	METHYL TERT BUTYL ETHER TOLUENE	2 UG/L 0.3 UG/L	J J	g g
385-S16-101 ADP93 S16-DGS-DP42-GW-12 12.00 - 14.00	CLP VOA	METHYL TERT BUTYL ETHER	0.7 UG/L	J	g
385-S16-102 ADP93 S16-DGS-DP43-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	1 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-104 ADP94 S16-DGS-DP44-GW-8 8.00 - 10.00	CLP VOA	CARBON DISULFIDE	0.7 UG/L	J	g
385-S16-106 ADP93 S16-DGS-DP45-GW-8 8.00 - 10.00	CLP VOA	-	-	-	-
385-S16-108 ADP94 S16-DGS-DP46-GW-8 8.00 - 0.00	CLP VOA	CARBON DISULFIDE	0.4 UG/L	J	g
385-S16-130 ADP93 S16-DGS-DP37-GW-20 20.00 - 22.00	CLP VOA	1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL)	3 UG/L 1 UG/L	 J	 g
385-S16-901 ADP60 S16-DGS-DP20-GW-8D 8.00 - 10.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	2 UG/L 0.3 UG/L 20 UG/L 1 UG/L 4 UG/L 0.4 UG/L 0.6 UG/L	 J J J J	 f,g g g g
385-S16-902 AAT04 S16-DGS-DP23-GW-8D 8.00 - 10.00	VOA 8260	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE	5.1 UG/L 0.8 UG/L 46 UG/L 0.6 UG/L 4.8 UG/L		
85-S16-904 ADP10 S16-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S16-905 ADP28 S16-DGS-TB-2 0.00 - 0.00	CLP VOA	-	-	-	-
385-S16-906 ADP31 S16-DGS-TB-3 0.00 - 0.00	CLP VOA	-	-	-	-
385-S16-907 ADP37 S16-DGS-ER-1 0.00 - 0.00	PESTICIDES PCB	- -	- -	- -	- -
385-S16-908 ADP37 S16-DGS-TB-4 0.00 - 0.00	CLP VOA	2-HEXANONE	0.8 UG/L	J	f

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-909 ADP60 S16-DGS-TB-5 0.00 - 0.00	CLP VOA	-	-	-	-
385-S16-910 AAT04 S16-DGS-TB-6 0.00 - 0.00	VOA 8260	-	-	-	-
385-S16-911 AAT04 S16-DGS-ER-2 0.00 - 0.00	VOA 8260	BROMODICHLOROMETHANE CHLOROFORM	0.9 UG/L 2.4 UG/L		
385-S16-912 AAT08 S16-DGS-DP24-GW-16 16.00 - 0.00	VOA 8260	-	-	-	-
385-S16-913 ADP68 S16-DGS-ER-3 0.00 - 0.00	PESTICIDES	-	-	-	-
385-S16-914 ADP68 S16-DGS-TB-7 0.00 - 0.00	CLP VOA	-	-	-	-
385-S16-915 ADP72 S16-DGS-TB-8 .00 - 0.00	CLP VOA	-	-	-	-
385-S16-915A ADP84 S16-DGS-DP39-GW-12 12.00 - 0.00	CLP VOA	XYLENE (TOTAL)	1 UG/L	J	g
385-S16-916 ADP72 S16-DGS-DP30-GW-12 12.00 - 14.00	CLP VOA	1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) BENZENE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	8 UG/L 0.5 UG/L 80 UG/L 0.5 UG/L 1 UG/L 1 UG/L 0.5 UG/L	 J J J J	 g g g g
385-S16-916A ADP84 S16-DGS-TB-8 0.00 - 0.00	CLP VOA	BROMODICHLOROMETHANE CARBON DISULFIDE CHLOROFORM DIBROMOCHLOROMETHANE	1 UG/L 2 UG/L 3 UG/L 0.4 UG/L	J J J	g g g
385-S16-917 ADP72 S16-DGS-ER-4 0.00 - 0.00	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	0.6 UG/L 1 UG/L 0.3 UG/L	J J J	g g g
385-S16-917A	CLP VOA	BROMODICHLOROMETHANE	1 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S16 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S16-917A ADP84 S16-DGS-ER-4 0.00 - 0.00	CLP VOA	CHLOROFORM DIBROMOCHLOROMETHANE	4 UG/L 0.5 UG/L	 J	 g
385-S16-918 ADP85 S16-DGS-DP34-GW-12 12.00 - 0.00	CLP VOA	TOLUENE XYLENE (TOTAL)	0.5 UG/L 0.5 UG/L	J J	g g
385-S16-919 ADP85 S16-DGS-ER-4 0.00 - 0.00	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	1 UG/L 3 UG/L 0.4 UG/L	J J	g g
385-S16-920 ADP85 S16-DGS-TB-9 0.00 - 0.00	CLP VOA	BROMODICHLOROMETHANE CHLOROFORM DIBROMOCHLOROMETHANE	1 UG/L 4 UG/L 0.4 UG/L	J J	g g
385-S16-921 ADP94 S16-DGS-DP44-GW-8D 8.00 - 10.00	CLP VOA	-	-	-	-
385-S16-922 ADP94 S16-DGS-ER-6 0.00 - 0.00	CLP VOA	-	-	-	-
385-S16-923 ADP94 S16-DGS-TB-6 .00 - 0.00	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S19
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S19-001	CLP VOA	1,1-DICHLOROETHANE	2 UG/L		
ADP17		1,2-DICHLOROETHENE (TOTAL)	8 UG/L		
S19-DGS-MWD13-1-GW		2-BUTANONE	0.7 UG/L	J	f,g
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.34 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
	PAH	ANTHRACENE	0.1 UG/L	J	g
		FLUORANTHENE	0.1 UG/L	J	g
		FLUORENE	0.7 UG/L	J	g
		NAPHTHALENE	4 UG/L	J	g
		PHENANTHRENE	0.8 UG/L	J	c,g
		PYRENE	0.1 UG/L	J	g
385-S19-002	CLP VOA	1,1-DICHLOROETHANE	0.5 UG/L	J	g
ADP17	SVOA	-	-	-	-
S19-DGS-MWD13-2-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.2 UG/L	J	g
385-S19-003	CLP VOA	1,1-DICHLOROETHANE	3 UG/L	J	a
ADP17		1,2-DICHLOROETHENE (TOTAL)	0.3 UG/L	J	a,g
S19-DGS-MWD13-3-GW		TRICHLOROETHENE	0.7 UG/L	J	a,g
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
	PAH	PYRENE	0.1 UG/L	J	g
385-S19-004	CLP VOA	1,1,1-TRICHLOROETHANE	0.6 UG/L	J	g
ADP17		1,1-DICHLOROETHANE	9 UG/L		
S19-DGS-MWD13-4-GW		1,1-DICHLOROETHENE	0.4 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	2 UG/L	J	g
		BENZENE	0.3 UG/L	J	g
		TETRACHLOROETHENE	7 UG/L		
		TRICHLOROETHENE	2 UG/L	J	g
	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.06 MG/L	J	g,z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
	PAH	FLUORANTHENE	0.2 UG/L	J	g
		PYRENE	0.1 UG/L	J	g
385-S19-005	CLP VOA	1,2-DICHLOROPROPANE	2 UG/L		
ADP17	SVOA	-	-	-	-
S19-DGS-M19-05-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S19-006	CLP VOA	-	-	-	-
ADP18	SVOA	-	-	-	-
S19-DGS-D19-01-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S19-902	CLP VOA	-	-	-	-
ADP17					
S19-DGS-TB-1					
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-038 ABS08 S21-DGS-SG03-SG-0. 0.50 - 1.50	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.526 %		
		NITROGEN	77.89 %		
		OXYGEN	21.59 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.526 %		
		NITROGEN	77.89 %		
		OXYGEN	21.59 %		
	VOCS BY TO14	BENZENE	78.28 UG/M3		
		ETHYLBENZENE	198.48 UG/M3		
		M & P-XYLENE	936.60 UG/M3		
		O-XYLENE	214.80 UG/M3		
		TOLUENE	1456.82 UG/M3		
385-S21-039 ABS08 S21-DGS-SG03-SG-4 4.00 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.325 %		
		NITROGEN	78.48 %		
		OXYGEN	21.20 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.325 %		
		NITROGEN	78.48 %		
		OXYGEN	21.20 %		
	VOCS BY TO14	1,1,1-TRICHLOROETHANE	133.85 UG/M3	J	a
		BENZENE	62.52 UG/M3	J	a
		ETHYLBENZENE	169.77 UG/M3	J	a
		M & P-XYLENE	811.06 UG/M3	J	a
		O-XYLENE	223.03 UG/M3	J	a
		TOLUENE	1255.20 UG/M3	J	a
385-S21-043 ABS08 S21-DGS-SG06-SG-1. 1.50 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.619 %		
		NITROGEN	77.64 %		
		OXYGEN	21.74 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.619 %		
		NITROGEN	77.64 %		
		OXYGEN	21.74 %		
	VOCS BY TO14	BENZENE	41.36 UG/M3		
		ETHYLBENZENE	243.55 UG/M3		
		M & P-XYLENE	1025.23 UG/M3		
		O-XYLENE	229.66 UG/M3		
		TETRACHLOROETHENE	31.55 UG/M3		
		TOLUENE	564.48 UG/M3		
		TRICHLOROETHENE	93.15 UG/M3		
385-S21-044 ABS08 S21-DGS-SG06-SG-3 3.00 - 0.00	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.779 %		
		NITROGEN	77.61 %		
		OXYGEN	21.61 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.779 %		
		NITROGEN	77.61 %		
		OXYGEN	21.61 %		
	VOCS BY TO14	BENZENE	90.95 UG/M3		
		ETHYLBENZENE	235.46 UG/M3		
		M & P-XYLENE	937.33 UG/M3		
		O-XYLENE	236.54 UG/M3		
		TOLUENE	918.73 UG/M3		
		TRICHLOROETHENE	82.13 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-021	METALS (TOTAL)	CHROMIUM	73.6 MG/KG		
ADP39		LEAD	42.0 MG/KG		
S21-DGS-DP08-SO-9	HEXAVALENT CHROMIUM	-	-	-	-
9.00 - 9.50	PERCENT MOISTURE	PERCENT MOISTURE	31.4 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-002 ADP15 S21-DGS-DP01-GW-15 15.00 - 0.00	CLP VOA	1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHENE 1,2-DICHLOROBENZENE 1,2-DICHLOROETHENE (TOTAL) BENZENE CARBON DISULFIDE ETHYLBENZENE METHYL TERT BUTYL ETHER TETRACHLOROETHENE TOLUENE TRICHLOROETHENE VINYL CHLORIDE XYLENE (TOTAL)	0.4 UG/L 2 UG/L 0.4 UG/L 35 UG/L 0.4 UG/L 3 UG/L 0.4 UG/L 0.6 UG/L 1 UG/L 2 UG/L 2600 UG/L 1 UG/L 2 UG/L	J J J J J J J J	g g g g g g g g
385-S21-003 AAL02 S21-DGS-DP02-GW-15 15.00 - 17.00	VOA 8260	-	-	-	-
385-S21-003A ADP28 S21-DGS-DP02-GW-15 15.00 - 17.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE METHYL TERT BUTYL ETHER TOLUENE TRICHLOROETHENE	2 UG/L 0.4 UG/L 0.3 UG/L 0.3 UG/L 2 UG/L	 J J J J	 g g g g
385-S21-004 AAL02 S21-DGS-DP02-GW-20 20.00 - 22.00	VOA 8260	-	-	-	-
385-S21-005 AAL02 S21-DGS-DP02-GW-30 0.00 - 32.00	VOA 8260	-	-	-	-
385-S21-006 AAL02 S21-DGS-DP02-GW-40 40.00 - 42.00	VOA 8260	-	-	-	-
385-S21-007 AAL02 S21-DGS-DP02-GW-50 50.00 - 52.00	VOA 8260	-	-	-	-
385-S21-008 AAL01 S21-DGS-DP03-GW-15 15.00 - 17.00	VOA 8260	CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE	7.9 UG/L 1.9 UG/L 2.6 UG/L 3.6 UG/L 2.1 UG/L		
385-S21-009 AAL01 S21-DGS-DP03-GW-20 20.00 - 22.00	VOA 8260	M,P-XYLENES TOLUENE	1.5 UG/L 2.5 UG/L		
385-S21-010 AAL01 S21-DGS-DP03-GW-30 30.00 - 32.00	VOA 8260	M,P-XYLENES TOLUENE	1.8 UG/L 3.3 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-011 AAL01 S21-DGS-DP03-GW-40 40.00 - 42.00	VOA 8260	TOLUENE	1.3 UG/L		
385-S21-012 AAL02 S21-DGS-DP04-GW-15 15.00 - 0.00	VOA 8260	-	-	-	-
385-S21-012A ADP31 S21-DGS-DP04-GW-15 15.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE VINYL CHLORIDE	710 UG/L 340 UG/L 16 UG/L		
385-S21-013 AAL02 S21-DGS-DP04-GW-20 20.00 - 0.00	VOA 8260	-	-	-	-
385-S21-014 AAL02 S21-DGS-DP04-GW-30 30.00 - 0.00	VOA 8260	-	-	-	-
385-S21-015 AAL02 S21-DGS-DP04-GW-45 45.00 - 0.00	VOA 8260	-	-	-	-
385-S21-016 AAL01 S21-DGS-DP05-GW-7 .00 - 9.00	VOA 8260	M,P-XYLENES O-XYLENE TOLUENE	3 UG/L 1.2 UG/L 3.9 UG/L		
385-S21-017 AAL01 S21-DGS-DP05-GW-12 12.00 - 14.00	VOA 8260	ETHYLBENZENE M,P-XYLENES O-XYLENE TOLUENE	1.2 UG/L 5.8 UG/L 2.5 UG/L 8.3 UG/L		
385-S21-017A ADP39 S21-DGS-DP05-GW-12 12.00 - 14.00	CLP VOA	BENZENE ETHYLBENZENE METHYL TERT BUTYL ETHER TOLUENE XYLENE (TOTAL)	0.8 UG/L 2 UG/L 0.5 UG/L 16 UG/L 14 UG/L	J	g
385-S21-018 AAL01 S21-DGS-DP06-GW-5 5.00 - 7.00	VOA 8260	1,1,1-TRICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE CHLOROETHANE CIS-1,2-DICHLOROETHENE M,P-XYLENES TETRACHLOROETHENE TOLUENE TRICHLOROETHENE	120 UG/L 97 UG/L 1 UG/L 8.7 UG/L 15 UG/L 2 UG/L 2.6 UG/L 3.1 UG/L 3.6 UG/L		
385-S21-019 AAL01	VOA 8260	1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHENE	130 UG/L 8 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-019	VOA 8260	M,P-XYLENES	1.2 UG/L		
AAL01		TOLUENE	1.9 UG/L		
S21-DGS-DP06-GW-10		TRICHLOROETHENE	1.3 UG/L		
10.00 - 12.00		VINYL CHLORIDE	0.8 UG/L	J	g
385-S21-020	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	-	-	-	-
S21-DGS-DP07-GW-5	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	120000 UG/L	J	h,z
385-S21-022	CLP VOA	-	-	-	-
ADP21	SVOA	-	-	-	-
S21-DGS-WA-8-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.22 MG/L	DM	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z
	PAH	PYRENE	0.4 UG/L		
385-S21-023	CLP VOA	1,1-DICHLOROETHANE	0.5 UG/L	J	g
ADP11		1,2-DICHLOROETHENE (TOTAL)	4 UG/L		
S21-DGS-M07B-01-GW		VINYL CHLORIDE	0.4 UG/L	J	g
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	PAH	-	-	-	-
385-S21-024	CLP VOA	TETRACHLOROETHENE	0.3 UG/L	J	g
ADP11		TRICHLOROETHENE	0.5 UG/L	J	g
S21-DGS-398-MW1-GW	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S21-025	CLP VOA	-	-	-	-
ADP11	SVOA	-	-	-	-
S21-DGS-398-MW2-GW	TPH EXTRACTABLES (DIESEL)	-	-	-	-
`.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	PYRENE	0.40 UG/L		
385-S21-026	CLP VOA	-	-	-	-
ADP11	SVOA	-	-	-	-
S21-DGS-398-MW3-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	1.1 MG/L	D	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S21-027	CLP VOA	BENZENE	0.4 UG/L	J	g
ADP13		ETHYLBENZENE	0.5 UG/L	J	g
S21-DGS-398-MW4-GW	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.1 MG/L	J	z
		MOTOR OIL RANGE ORGANICS	0.07 MG/L	J	g
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.09 MG/L	H	
	PAH	BENZ(A)ANTHRACENE	0.1 UG/L	J	g
		BENZO(A)PYRENE	0.1 UG/L	J	g
		FLUORANTHENE	0.93 UG/L		
		PYRENE	0.4 UG/L		
385-S21-030	VOA 8260	CIS-1,2-DICHLOROETHENE	1.3 UG/L		
AAL01		VINYL CHLORIDE	0.9 UG/L	J	g
S21-DGS-VE01-GW-8	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	1400 UG/L		
8.00 - 9.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1800 UG/L	J	z
385-S21-030A	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	2 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-030A	CLP VOA	VINYL CHLORIDE	2 UG/L		
ADP43	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	42 MG/L	D	
S21-DGS-VE01-GW-8		MOTOR OIL RANGE ORGANICS	68 MG/L	M	
8.00 - 9.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	5.18 MG/L	J	a
385-S21-033	VOA 8260	-	-	-	-
AAL01	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	310 UG/L		
S21-DGS-VE02-GW-8.	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	12000 UG/L	J	z
8.50 - 9.20					
385-S21-034	CLP VOA	1,1,1-TRICHLOROETHANE	0.3 UG/L	J	g
ADP30		1,1-DICHLOROETHANE	0.5 UG/L		
S21-DGS-OF-H-GWI		1,2-DICHLOROETHENE (TOTAL)	6 UG/L		
0.00 - 0.00		METHYL TERT BUTYL ETHER	2 UG/L	J	g
		TRICHLOROETHENE	4 UG/L		
		VINYL CHLORIDE	0.8 UG/L		
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.39 MG/L	M	
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g
385-S21-035	CLP VOA	1,1,1-TRICHLOROETHANE	2 UG/L		
ADP30		1,1-DICHLOROETHANE	1 UG/L		
S21-DGS-OF-G-GWI		1,1-DICHLOROETHENE	0.4 UG/L	J	g
0.00 - 0.00		1,2-DICHLOROETHENE (TOTAL)	3 UG/L		
		CHLOROETHANE	0.9 UG/L	J	g
		TRICHLOROETHENE	1 UG/L	J	g
		VINYL CHLORIDE	0.3 UG/L	J	g
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.40 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S21-046	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	5 UG/L		
ADP31		METHYL TERT BUTYL ETHER	2 UG/L	J	g
S21-DGS-MH-6H-GWI		TRICHLOROETHENE	2 UG/L	J	g
0.00 - 0.00		VINYL CHLORIDE	0.4 UG/L	J	g
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.27 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-S21-046A	VOA 8260	1,1-DICHLOROETHANE	3.1 UG/L		
AAL01		M,P-XYLENES	1.2 UG/L		
S21-DGS-DP06-GW-15		TOLUENE	1.7 UG/L		
15.00 - 0.00		VINYL CHLORIDE	0.6 UG/L	J	g
385-S21-047	VOA 8260	TOLUENE	1.4 UG/L		
AAL01					
S21-DGS-DP06-GW-20					
20.00 - 0.00					
385-S21-048	VOA 8260	BENZENE	0.5 UG/L	J	g
AAL01		TOLUENE	1 UG/L		
S21-DGS-DP12-GW-9		TRANS-1,2-DICHLOROETHENE	1.2 UG/L		
9.00 - 0.00		VINYL CHLORIDE	1.6 UG/L		
385-S21-049	VOA 8260	1,1-DICHLOROETHENE	3.1 UG/L		
AAL01		BENZENE	0.5 UG/L	J	g
S21-DGS-DP12-GW-15		CIS-1,2-DICHLOROETHENE	540 UG/L		
15.00 - 0.00		TRANS-1,2-DICHLOROETHENE	8.2 UG/L		
		TRICHLOROETHENE	2300 UG/L		
		VINYL CHLORIDE	12 UG/L		
385-S21-050	VOA 8260	1,1-DICHLOROETHANE	2.8 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-050 AAL01 S21-DGS-DP12-GW-25 25.00 - 0.00	VOA 8260	TRICHLOROETHENE	1.2 UG/L		
385-S21-051 AAL01 S21-DGS-DP13-GW-9 9.00 - 11.00	VOA 8260	CHLOROETHANE	6.7 UG/L		
385-S21-052 AAL01 S21-DGS-DP13-GW-16 16.00 - 18.00	VOA 8260	1,1-DICHLOROETHANE	1.4 UG/L		
385-S21-053 AAL01 S21-DGS-DP14-GW-9 9.00 - 11.00	VOA 8260	BENZENE TOLUENE VINYL CHLORIDE	3.8 UG/L 1 UG/L 0.8 UG/L	 J	 g
385-S21-054 AAL01 S21-DGS-DP14-GW-17 17.00 - 19.00	VOA 8260	CIS-1,2-DICHLOROETHENE TOLUENE TRICHLOROETHENE	2.4 UG/L 1.1 UG/L 18 UG/L		
385-S21-054A ADP49 S21-DGS-DP14-GW-17 17.00 - 19.00	CLP VOA	1,1-DICHLOROETHENE 1,2-DICHLOROETHENE (TOTAL) TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	0.8 UG/L 3 UG/L 0.8 UG/L 24 UG/L 1 UG/L	J J J	g g g
385-S21-055 AAL01 S21-DGS-DP14-GW-25 .00 - 27.00	VOA 8260	M,P-XYLENES TOLUENE	1.4 UG/L 1.6 UG/L		
385-S21-056 AAL01 S21-DGS-DP11-GW-15 15.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- GASOLINE RANGE ORGANICS	- 600 UG/L	-	-
385-S21-057 AAL01 S21-DGS-DP11-GW-20 20.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	1,1-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TETRACHLOROETHENE TRANS-1,2-DICHLOROETHENE TRICHLOROETHENE VINYL CHLORIDE GASOLINE RANGE ORGANICS	1.6 UG/L 620 UG/L 5.3 UG/L 6 UG/L 1900 UG/L 4.1 UG/L 1500 UG/L		
385-S21-058 AAL01 S21-DGS-DP11-GW-30 30.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	CIS-1,2-DICHLOROETHENE TRICHLOROETHENE GASOLINE RANGE ORGANICS	4.9 UG/L 1500 UG/L 1200 UG/L		
385-S21-059 AAL01 S21-DGS-DP11-GW-40 40.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	TRICHLOROETHENE GASOLINE RANGE ORGANICS	1.2 UG/L 660 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-060 AAL01 S21-DGS-DP11-GW-50 50.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- GASOLINE RANGE ORGANICS	- 63 UG/L	-	-
385-S21-062 AAL01 S21-DGS-VE03-GW-6. 6.50 - 0.00	VOA 8260 TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	- DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS	- 560 UG/L 36000 UG/L	- J	- z
385-S21-063 AAL01 S21-DGS-DP15-GW-15 15.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- GASOLINE RANGE ORGANICS	- 1100 UG/L	- J	- z
385-S21-064 AAL01 S21-DGS-DP16-GW-8 8.00 - 10.00	VOA 8260 TPH PURGEABLES (GASOLINE)	M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE -	2.2 UG/L 3.6 UG/L 1.7 UG/L 3.7 UG/L -	 -	 -
385-S21-065 AAL01 S21-DGS-DP16-GW-15 15.00 - 17.00	VOA 8260 TPH PURGEABLES (GASOLINE)	BENZENE CIS-1,2-DICHLOROETHENE M,P-XYLENES TOLUENE TRANS-1,2-DICHLOROETHENE VINYL CHLORIDE GASOLINE RANGE ORGANICS	1.1 UG/L 61 UG/L 2.8 UG/L 3.9 UG/L 18 UG/L 70 UG/L 90 UG/L	 J	 z
385-S21-066 AAL01 S21-DGS-DP16-GW-20 20.00 - 22.00	VOA 8260 TPH PURGEABLES (GASOLINE)	CIS-1,2-DICHLOROETHENE TRICHLOROETHENE -	2.3 UG/L 8 UG/L -	 -	 -
385-S21-067 AAL01 S21-DGS-DP17-GW-9 9.00 - 11.00	VOA 8260	BENZENE VINYL CHLORIDE	1.7 UG/L 1.9 UG/L		
385-S21-068 AAL01 S21-DGS-DP17-GW-14 14.00 - 16.00	VOA 8260	CIS-1,2-DICHLOROETHENE	33 UG/L		
385-S21-070 ADP57 S21-DGS-VE04-GW-5. 5.83 - 8.33	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROBENZENE CHLOROBENZENE DIESEL RANGE ORGANICS GASOLINE RANGE ORGANICS	0.6 UG/L 0.7 UG/L 0.84 MG/L 0.15 MG/L	J J D J	g g z
385-S21-072 ADP57 S21-DGS-VE05-GW-5. 5.83 - 8.33	CLP VOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROBENZENE MOTOR OIL RANGE ORGANICS GASOLINE RANGE ORGANICS	0.3 UG/L 0.23 MG/L 0.03 MG/L	J M J	g g,z
385-S21-073 AAT01 S21-DGS-DP19-GW-14 14.00 - 16.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-074 AAT01 S21-DGS-DP18-GW-8 8.00 - 10.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S21-075 AAT01 S21-DGS-DP18-GW-15 15.00 - 17.00	VOA 8260 TPH PURGEABLES (GASOLINE)	CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE -	49 UG/L 6.1 UG/L -	J J -	c c -
385-S21-076 AAT01 S21-DGS-DP18-GW-20 20.00 - 22.00	VOA 8260 TPH PURGEABLES (GASOLINE)	TRICHLOROETHENE -	5.9 UG/L -	J -	c -
385-S21-077 AAT01 S21-DGS-DP03-GW-8 8.00 - 10.00	VOA 8260 TPH PURGEABLES (GASOLINE)	TRANS-1,2-DICHLOROETHENE -	6.1 UG/L -	J -	c -
385-S21-078 AAT01 S21-DGS-DP03-GW-15 15.00 - 17.00	VOA 8260 TPH PURGEABLES (GASOLINE)	CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE -	10 UG/L 5.0 UG/L -	J J -	c c -
385-S21-079 AAT05 S21-DGS-DP21-GW-7 7.00 - 9.00	VOA 8260 TPH PURGEABLES (GASOLINE)	CHLOROBENZENE -	0.9 UG/L -	 -	 -
385-S21-080 AAT05 S21-DGS-DP20-GW-7 7.00 - 9.00	VOA 8260 TPH PURGEABLES (GASOLINE)	CARBON DISULFIDE VINYL CHLORIDE -	2.0 UG/L 2.7 UG/L -	 -	 -
385-S21-081 ADP75 S21-DGS-DP19-GW-20 20.00 - 22.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE VINYL CHLORIDE	31 UG/L 420 UG/L 5 UG/L	 J	 f
385-S21-082 ADP75 S21-DGS-DP19-GW-30 30.00 - 32.00	CLP VOA	TOLUENE XYLENE (TOTAL)	0.7 UG/L 0.3 UG/L	J J	a,g a,g
385-S21-101 ADP53 S21-DGS-DP101-GW-1 10.00 - 12.00	HEADSPACE - VOC CLP VOA SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	ETHANE METHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE - ORTHOPHOSPHATE PHOSPHORUS SUSPENDED ORGANIC CARBON TOTAL ORGANIC CARBON (AVE) TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (AVE	280 UG/L 10300 UG/L 0.5 UG/L 0.7 UG/L 3 UG/L 1 UG/L - 10.9 MG/L 2.3 MG/L 15.9 MG/L 16.8 MG/L 14.9 MG/L 13.6 MG/L	 J - 	 g -

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-101 ADP53 S21-DGS-DP101-GW-1 10.00 - 12.00	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	16.1 MG/L 12.1 MG/L		
385-S21-101A AAL01 S21-DGS-DP101-GW-1 10.00 - 12.00	VOA 8260	1,1-DICHLOROETHANE BENZENE VINYL CHLORIDE	0.6 UG/L 4.3 UG/L 1.2 UG/L	J	g
385-S21-102 ADP53 S21-DGS-DP101-GW-2 25.00 - 27.00	HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	METHANE - SULFATE TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	37 UG/L - 4400 MG/L 9.6 MG/L 3.8 MG/L 6.2 MG/L 3.9 MG/L	- -	-
385-S21-102A AAL01 S21-DGS-DP101-GW-2 25.00 - 27.00	VOA 8260	-	-	-	-
385-S21-103 ADP53 S21-DGS-DP101-GW-5 50.00 - 52.00	HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	METHANE - SULFATE TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	13 UG/L - 2990 MG/L 4.9 MG/L 3.9 MG/L 4.4 MG/L 4.1 MG/L	- -	-
385-S21-103A AAL01 S21-DGS-DP101-GW-5 50.00 - 52.00	VOA 8260	-	-	-	-
385-S21-104 ADP53 S21-DGS-DP102-GW-1 10.00 - 12.00	HEADSPACE - VOC CLP VOA SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	METHANE - - ORTHOPHOSPHATE PHOSPHORUS TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	5420 UG/L - - 7.9 MG/L 10.3 MG/L 8.2 MG/L 9.9 MG/L 5.4 MG/L	- -	- -
385-S21-104A AAL01 S21-DGS-DP102-GW-1 10.00 - 12.00	VOA 8260	-	-	-	-
385-S21-105 ADP53 S21-DGS-DP102-GW-2 25.00 - 27.00	HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	METHANE - SULFATE TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	33 UG/L - 2980 MG/L 7.5 MG/L 6.1 MG/L 8.5 MG/L 4.8 MG/L	- -	-
385-S21-105A AAL01 S21-DGS-DP102-GW-2 25.00 - 27.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-106	HEADSPACE - VOC	ETHANE	6.2 UG/L		
ADP53		ETHENE	3 UG/L		
S21-DGS-DP102-GW-5		METHANE	30 UG/L		
50.00 - 52.00	SVOA	-	-	-	-
	MAJOR ANIONS	SULFATE	2690 MG/L		
	TOC	TOTAL ORGANIC CARBON (MAX)	6.2 MG/L		
		TOTAL ORGANIC CARBON (MIN)	3.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX	4.0 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	1.9 MG/L		
385-S21-106A	VOA 8260	-	-	-	-
AAL01					
S21-DGS-DP102-GW-5					
50.00 - 52.00					
385-S21-107	HEADSPACE - VOC	METHANE	62 UG/L		
ADP51	SVOA	-	-	-	-
S21-DGS-DP103-GW-1	MAJOR ANIONS	-	-	-	-
10.00 - 12.00	TOC	TOTAL ORGANIC CARBON (MAX)	6.5 MG/L		
		TOTAL ORGANIC CARBON (MIN)	3.7 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX	10.3 MG/L		
385-S21-107A	VOA 8260	-	-	-	-
AAL01					
S21-DGS-DP103-GW-1					
10.00 - 0.00					
385-S21-108	HEADSPACE - VOC	METHANE	24 UG/L		
ADP51	SVOA	-	-	-	-
S21-DGS-DP103-GW-2	MAJOR ANIONS	SULFATE	2510 MG/L		
25.00 - 27.00	TOC	SUSPENDED ORGANIC CARBON	4.4 MG/L		
		TOTAL ORGANIC CARBON (MAX)	13.1 MG/L		
		TOTAL ORGANIC CARBON (MIN)	9.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX	9.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	5.2 MG/L		
385-S21-108A	VOA 8260	-	-	-	-
AAL01					
S21-DGS-DP103-GW-2					
25.00 - 0.00					
385-S21-109	HEADSPACE - VOC	METHANE	13 UG/L		
ADP51	SVOA	-	-	-	-
S21-DGS-DP103-GW-5	MAJOR ANIONS	SULFATE	4110 MG/L		
50.00 - 52.00	TOC	TOTAL ORGANIC CARBON (MAX)	5.8 MG/L		
		TOTAL ORGANIC CARBON (MIN)	5.5 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX	5.5 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	4.4 MG/L		
385-S21-109A	VOA 8260	-	-	-	-
AAL01					
S21-DGS-DP103-GW-5					
50.00 - 0.00					
385-S21-111	HEADSPACE - VOC	ETHANE	14 UG/L		
ADP65		METHANE	5500 UG/L		
S21-DGS-DP104-GW-1	CLP VOA	TRICHLOROETHENE	0.3 UG/L	J	g
10.00 - 12.00	SVOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-111	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	0.17 MG/L		
ADP65		SULFATE	2.1 MG/L		
S21-DGS-DP104-GW-1	TOC	TOTAL ORGANIC CARBON (AVE)	5.0 MG/L		
10.00 - 12.00		TOTAL ORGANIC CARBON (MAX)	5.3 MG/L		
		TOTAL ORGANIC CARBON (MIN)	4.5 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	5.0 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	5.4 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	4.6 MG/L		
385-S21-115	HEADSPACE - VOC	ETHANE	2 UG/L	J	g
ADP65		METHANE	65 UG/L		
S21-DGS-DP104-GW-2	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.6 UG/L	J	g
25.00 - 27.00		TRICHLOROETHENE	0.6 UG/L	J	g
	SVOA	-	-	-	-
	MAJOR ANIONS	SULFATE	2320 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	8.7 MG/L		
		TOTAL ORGANIC CARBON (MAX)	9.0 MG/L		
		TOTAL ORGANIC CARBON (MIN)	8.2 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	8.5 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	8.7 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	8.3 MG/L		
385-S21-118	HEADSPACE - VOC	ETHANE	2 UG/L	J	g
ADP65		METHANE	13 UG/L		
S21-DGS-DP104-GW-5	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	0.3 UG/L	J	g
50.00 - 52.00		CARBON DISULFIDE	0.6 UG/L	J	g
		TRICHLOROETHENE	0.5 UG/L	J	g
	SVOA	-	-	-	-
	MAJOR ANIONS	SULFATE	2550 MG/L		
	TOC	TOTAL ORGANIC CARBON (AVE)	5.7 MG/L		
		TOTAL ORGANIC CARBON (MAX)	5.8 MG/L		
		TOTAL ORGANIC CARBON (MIN)	5.7 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	5.5 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	5.9 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	5.1 MG/L		
385-S21-119	HEADSPACE - VOC	ETHANE	141 UG/L		
ADP52		METHANE	10000 UG/L		
S21-DGS-DP105-GW-1	SVOA	-	-	-	-
10.00 - 12.00	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	11.3 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	2.2 MG/L		
		TOTAL ORGANIC CARBON (AVE)	12.0 MG/L		
		TOTAL ORGANIC CARBON (MAX)	13.8 MG/L		
		TOTAL ORGANIC CARBON (MIN)	11.3 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	9.8 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	11.0 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	9.2 MG/L		
385-S21-119A	VOA 8260	BENZENE	1.8 UG/L		
AAL01					
S21-DGS-DP105-GW-1					
10.00 - 12.00					
385-S21-120	HEADSPACE - VOC	ETHENE	3 UG/L		
ADP52		METHANE	120 UG/L		
S21-DGS-DP105-GW-2	SVOA	-	-	-	-
25.00 - 27.00	MAJOR ANIONS	SULFATE	3370 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.1 MG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-120	TOC	TOTAL ORGANIC CARBON (AVE)	15.6 MG/L		
ADP52		TOTAL ORGANIC CARBON (MAX)	17.6 MG/L		
S21-DGS-DP105-GW-2		TOTAL ORGANIC CARBON (MIN)	14.6 MG/L		
25.00 - 27.00	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	14.5 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	15.7 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	13.7 MG/L		
385-S21-120A	VOA 8260	1,1,2-TRICHLOROETHANE	1.4 UG/L		
AAL01		1,1-DICHLOROETHENE	3.5 UG/L		
S21-DGS-DP105-GW-2		BENZENE	1.1 UG/L		
25.00 - 27.00		CHLOROETHANE	1.3 UG/L		
		CIS-1,2-DICHLOROETHENE	560 UG/L		
		ETHYLBENZENE	2.3 UG/L		
		TRANS-1,2-DICHLOROETHENE	1.8 UG/L		
		TRICHLOROETHENE	2900 UG/L		
		VINYL CHLORIDE	82 UG/L		
385-S21-121	HEADSPACE - VOC	METHANE	13 UG/L		
ADP52	SVOA	-	-	-	-
S21-DGS-DP105-GW-5	MAJOR ANIONS	SULFATE	2530 MG/L		
50.00 - 52.00	TOC	SUSPENDED ORGANIC CARBON	8.4 MG/L		
		TOTAL ORGANIC CARBON (AVE)	14.5 MG/L		
		TOTAL ORGANIC CARBON (MAX)	17.2 MG/L		
		TOTAL ORGANIC CARBON (MIN)	12.4 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	6.1 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	8.5 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	2.7 MG/L		
385-S21-121A	VOA 8260	CIS-1,2-DICHLOROETHENE	2.5 UG/L		
AAL01		TRICHLOROETHENE	6.7 UG/L		
S21-DGS-DP105-GW-5					
50.00 - 52.00					
385-S21-122	HEADSPACE - VOC	METHANE	695 UG/L		
DP54	SVOA	-	-	-	-
21-DGS-DP106-GW-1	MAJOR ANIONS	ORTHOPHOSPHATE PHOSPHORUS	10.8 MG/L		
10.00 - 0.00		SULFATE	288 MG/L		
	TOC	SUSPENDED ORGANIC CARBON	1.8 MG/L		
		TOTAL ORGANIC CARBON (AVE)	12.8 MG/L		
		TOTAL ORGANIC CARBON (MAX)	13.3 MG/L		
		TOTAL ORGANIC CARBON (MIN)	12.5 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	11.0 MG/L		
		DISSOLVED ORGANIC CARBON (MAX	12.7 MG/L		
		DISSOLVED ORGANIC CARBON (MIN	9.1 MG/L		
385-S21-122A	VOA 8260	TOLUENE	1.3 UG/L		
AAL01		TRANS-1,2-DICHLOROETHENE	1.3 UG/L		
S21-DGS-DP106-GW-1		VINYL CHLORIDE	7.1 UG/L		
10.00 - 0.00					
385-S21-123	HEADSPACE - VOC	METHANE	16 UG/L		
ADP54	SVOA	-	-	-	-
S21-DGS-DP106-GW-2	MAJOR ANIONS	SULFATE	3000 MG/L		
25.00 - 0.00	TOC	SUSPENDED ORGANIC CARBON	1.6 MG/L		
		TOTAL ORGANIC CARBON (AVE)	9.6 MG/L		
		TOTAL ORGANIC CARBON (MAX)	11.4 MG/L		
		TOTAL ORGANIC CARBON (MIN)	8.0 MG/L		
	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (AVE	8.0 MG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-123 ADP54 S21-DGS-DP106-GW-2 25.00 - 0.00	DISSOLVED ORGANIC CARBON	DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	9.0 MG/L 7.5 MG/L		
385-S21-123A AAL01 S21-DGS-DP106-GW-2 25.00 - 0.00	VOA 8260	-	-	-	-
385-S21-124 ADP54 S21-DGS-DP106-GW-5 50.00 - 0.00	HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	ETHANE METHANE - SULFATE TOTAL ORGANIC CARBON (AVE) TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (AVE DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	4 UG/L 20 UG/L - 3810 MG/L 6.6 MG/L 6.7 MG/L 6.5 MG/L 6.3 MG/L 6.7 MG/L 5.7 MG/L	-	-
385-S21-124A AAL01 S21-DGS-DP106-GW-5 50.00 - 0.00	VOA 8260	-	-	-	-
385-S21-125 ADP52 S21-DGS-DP105-GW-1 10.00 - 12.00	HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	ETHANE METHANE - ORTHOPHOSPHATE PHOSPHORUS SUSPENDED ORGANIC CARBON TOTAL ORGANIC CARBON (AVE) TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (AVE DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	145 UG/L 10000 UG/L - 10.6 MG/L 1.2 MG/L 12.7 MG/L 14.1 MG/L 12.0 MG/L 11.6 MG/L 12.5 MG/L 10.5 MG/L	-	-
385-S21-126 ADP53 S21-DGS-DP102-GW-2 25.00 - 27.00	HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	METHANE - SULFATE SUSPENDED ORGANIC CARBON TOTAL ORGANIC CARBON (AVE) TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (MAX	30 UG/L - 3010 MG/L 8.0 MG/L 12.1 MG/L 14.2 MG/L 8.4 MG/L 10.3 MG/L	-	-
385-S21-902 ADP28 S21-DGS-TB-1 0.00 - 0.00	CLP VOA	-	-	-	-
385-S21-903 ADP30 S21-DGS-TB-2 0.00 - 0.00	CLP VOA	2-HEXANONE	0.6 UG/L	J	f,g
385-S21-904 AAL02 S21-DGS-ER-1 0.00 - 0.00	VOA 8260	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S21 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S21-904C AAL01 S21-DGS-ER-1 0.00 - 0.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-S21-905 ADP52 S21-DGS-TB-3 0.00 - 0.00	CLP VOA	-	-	-	-
385-S21-906 ADP53 S21-DGS-TB-4 0.00 - 0.00	CLP VOA	-	-	-	-
385-S21-907 AAL01 S21-DGS-ER-2 0.00 - 0.00	VOA 8260 HEADSPACE - VOC SVOA MAJOR ANIONS TOC DISSOLVED ORGANIC CARBON	TOLUENE TOLUENE - SULFATE TOTAL ORGANIC CARBON (AVE) TOTAL ORGANIC CARBON (MAX) TOTAL ORGANIC CARBON (MIN) DISSOLVED ORGANIC CARBON (AVE DISSOLVED ORGANIC CARBON (MAX DISSOLVED ORGANIC CARBON (MIN	1.1 UG/L 1.1 UG/L - 0.65 MG/L 1.9 MG/L 2.0 MG/L 1.7 MG/L 1.8 MG/L 2.1 MG/L 1.5 MG/L	-	-
385-S21-908 ADP55 S21-DGS-TB-5 0.00 - 0.00	CLP VOA	CARBON DISULFIDE	0.4 UG/L	J	f,g
385-S21-909 ADP57 '21-DGS-TB-6 00 - 0.00	CLP VOA	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S22
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S22-013	LANDFILL GASES BY D1945	CARBON DIOXIDE	14.863 %		
ABS07		ETHANE	8.1 PPMV		
S22-DGS-SG03-SG-1.		I-BUTANE	5.2 PPMV		
1.50 - 0.00		I-PENTANE	1914.6 PPMV		
		METHANE	2.605 %		
		N-BUTANE	70.7 PPMV		
		N-PENTANE	8.6 PPMV		
		NITROGEN	80.20 %		
		NMOC (C6+)	4827.0 PPMV		
		OXYGEN	2.33 %		
		PROPANE	1.4 PPMV		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	14.863 %		
		ETHANE	8.1 PPMV		
		I-BUTANE	5.2 PPMV		
		I-PENTANE	1914.6 PPMV		
		METHANE	2.605 %		
		N-BUTANE	70.7 PPMV		
		N-PENTANE	8.6 PPMV		
		NITROGEN	80.20 %		
		NMOC (C6+)	4827.0 PPMV		
		OXYGEN	2.33 %		
		PROPANE	1.4 PPMV		
	VOCS BY TO14	BENZENE	12235.28 UG/M3	J	a
		CHLOROMETHANE	240.00 UG/M3	J	a
		ETHYLBENZENE	10073.59 UG/M3	J	a
		M & P-XYLENE	23898.09 UG/M3	J	a
		O-XYLENE	4140.71 UG/M3	J	a
		TOLUENE	25183.39 UG/M3	J	a
385-S22-014	LANDFILL GASES BY D1945	CARBON DIOXIDE	13.825 %		
ABS07		ETHANE	11.1 PPMV		
S22-DGS-SG03-SG-4		I-BUTANE	41.5 PPMV		
4.00 - 0.00		I-PENTANE	1857.7 PPMV		
		METHANE	2.673 %		
		N-BUTANE	69.9 PPMV		
		N-PENTANE	507.3 PPMV		
		NITROGEN	80.55 %		
		NMOC (C6+)	4937.1 PPMV		
		OXYGEN	2.95 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	13.825 %		
		ETHANE	11.1 PPMV		
		I-BUTANE	41.5 PPMV		
		I-PENTANE	1857.7 PPMV		
		METHANE	2.673 %		
		N-BUTANE	69.9 PPMV		
		N-PENTANE	507.3 PPMV		
		NITROGEN	80.55 %		
		NMOC (C6+)	4937.1 PPMV		
		OXYGEN	2.95 %		
	VOCS BY TO14	BENZENE	106688.77 UG/M3	J	a
		CHLOROMETHANE	1672.25 UG/M3	J	a
		ETHYLBENZENE	146015.79 UG/M3	J	a
		M & P-XYLENE	389523.90 UG/M3	J	a
		O-XYLENE	75145.15 UG/M3	J	a
		TOLUENE	247283.62 UG/M3	J	a
385-S22-016	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.573 %		
ABS11		NITROGEN	77.04 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S22 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S22-016	LANDFILL GASES BY D1945	OXYGEN	22.39 %		
ABS11	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.573 %		
S22-DGS-SG05-SG-1.		NITROGEN	77.04 %		
1.50 - 0.00		OXYGEN	22.39 %		
	VOCS BY TO14	M & P-XYLENE	46.32 UG/M3		
		TOLUENE	35.78 UG/M3		
385-S22-017	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.070 %		
ABS11		NITROGEN	76.97 %		
S22-DGS-SG05-SG-4		OXYGEN	21.96 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.070 %		
		NITROGEN	76.97 %		
		OXYGEN	21.96 %		
	VOCS BY TO14	BENZENE	10.80 UG/M3		
		M & P-XYLENE	34.17 UG/M3		
		TOLUENE	77.62 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S22 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S22-001	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-MW547-1-GW	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.1 MG/L	J	z
0.00 - 0.00		MOTOR OIL RANGE ORGANICS	0.23 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S22-002	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-MW547-2-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.22 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z
	PAH	-	-	-	-
385-S22-003	CLP VOA	BENZENE	2400 UG/L		
ADP20		ETHYLBENZENE	25 UG/L	J	g
S22-DGS-MW547-3-GW	SVOA	2-METHYLNAPHTHALENE	60 UG/L		
0.00 - 0.00		NAPHTHALENE	380 UG/L		
		PHENOL	42 UG/L		
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	1.9 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	2.8 MG/L	G	
	PAH	NAPHTHALENE	140 UG/L		
385-S22-004	CLP VOA	BENZENE	0.4 UG/L	J	g
ADP20		ETHYLBENZENE	0.7 UG/L	J	g
S22-DGS-MW547-4-GW		TOLUENE	0.3 UG/L	J	g
0.00 - 0.00	SVOA	NAPHTHALENE	15 UG/L		
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.40 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.11 MG/L	J	z
	PAH	-	-	-	-
385-S22-005	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-MW547-5-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	M	
00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S22-006	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-M07C-06-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.48 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z
	PAH	-	-	-	-
385-S22-007	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-M07C-07-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	1.1 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z
	PAH	-	-	-	-
385-S22-008	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-M07C-08-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S22-009	CLP VOA	-	-	-	-
ADP20	SVOA	-	-	-	-
S22-DGS-M07C-09-GW	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.65 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g,z

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S22 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S22-009 ADP45 S22-DGS-M07C-09-GW 0.00 - 0.00	PAH	-	-	-	-
385-S22-010 ADP21 S22-DGS-D07C-01-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - - - -	- - - - -	- - - - -	- - - - -
385-S22-901 ADP20 S22-DGS-MW547-2-GW 0.00 - 0.00	CLP VOA SVOA TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE) PAH	- - MOTOR OIL RANGE ORGANICS - -	- - 0.32 MG/L - -	- - M - -	- - - -
385-S22-902 ADP20 S22-DGS-TB-1 0.00 - 0.00	CLP VOA	2-BUTANONE	4 UG/L	J	f
385-S22-903 ADP21 S22-DGS-TB-2 0.00 - 0.00	CLP VOA	CARBON DISULFIDE	0.3 UG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S23
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S23-019	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.312 %		
ABS07		N-PENTANE	2.9 PPMV		
S23-DGS-SG03-SG-1.		NITROGEN	78.39 %		
1.50 - 0.00		NMOC (C6+)	42.0 PPMV		
		OXYGEN	21.30 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.312 %		
		N-PENTANE	2.9 PPMV		
		NITROGEN	78.39 %		
		NMOC (C6+)	42.0 PPMV		
		OXYGEN	21.30 %		
	VOCS BY TO14	BENZENE	103.50 UG/M3		
		ETHYLBENZENE	359.51 UG/M3		
		M & P-XYLENE	1257.26 UG/M3		
		O-XYLENE	270.99 UG/M3		
		TOLUENE	715.48 UG/M3		
385-S23-955	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.475 %		
ABS07		N-PENTANE	1.4 PPMV		
S23-DGS-SG03-SG-4		NITROGEN	77.66 %		
4.00 - 0.00		NMOC (C6+)	57.4 PPMV		
		OXYGEN	21.87 %		
	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.475 %		
		N-PENTANE	1.4 PPMV		
		NITROGEN	77.66 %		
		NMOC (C6+)	57.4 PPMV		
		OXYGEN	21.87 %		
	VOCS BY TO14	BENZENE	79.16 UG/M3		
		ETHYLBENZENE	540.14 UG/M3		
		M & P-XYLENE	2045.88 UG/M3		
		O-XYLENE	513.29 UG/M3		
		TETRACHLOROETHENE	103.18 UG/M3		
		TOLUENE	833.20 UG/M3		

:lidity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S23 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S23-001	METALS (TOTAL)	CHROMIUM	76.9 MG/KG		
ADP39		LEAD	12.5 MG/KG		
S23-DGS-DP01-SO-1	HEXAVALENT CHROMIUM	-	-	-	-
1.00 - 1.50	PERCENT MOISTURE	PERCENT MOISTURE	33.8 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE S23 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-S23-011	CLP VOA	TRICHLOROETHENE	0.6 UG/L	J	g
ADP33	SVOA	-	-	-	-
S23-DGS-530-MJ-MW-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.32 MG/L	M	
0.00 - 0.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S23-012	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	1 UG/L	J	g
ADP33		TRICHLOROETHENE	0.6 UG/L	J	g
S23-DGS-530-MJ-MW-	SVOA	-	-	-	-
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.49 MG/L	M	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S23-015	VOA 8260	M,P-XYLENES	1.4 UG/L		
AAL01		NAPHTHALENE	21 UG/L		
S23-DGS-VE01-GW-8		VINYL CHLORIDE	8.1 UG/L		
8.00 - 10.00	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	2800 UG/L	J	y
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	130 UG/L	J	y
385-S23-015A	SVOA	2-METHYLNAPHTHALENE	21 UG/L		
ADP44		NAPHTHALENE	19 UG/L		
S23-DGS-VE01-GW-8					
8.00 - 10.00					
385-S23-016	CLP VOA	1,2-DICHLOROETHENE (TOTAL)	2 UG/L	J	g
ADP26		TOLUENE	0.3 UG/L	J	g
S23-DGS-MH-2-P-GWI		TRICHLOROETHENE	0.4 UG/L	J	g
0.00 - 0.00	SVOA	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.2 MG/L	DM	
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PAH	-	-	-	-
385-S23-023	VOA 8260	CIS-1,2-DICHLOROETHENE	1.3 UG/L		
AAL01	TPH EXTRACTABLES (DIESEL)	-	-	-	-
3-DGS-VE02-GW-7					
.00 - 0.00					
385-S23-902	CLP VOA	2-BUTANONE	3 UG/L	J	f
ADP33		2-HEXANONE	0.6 UG/L	J	f,g
S23-DGS-TB-1					
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE EBS8
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-EBS8-001 ADP51 EBS8-DGS-DP01-GW-5 5.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE	0.9 UG/L 9 UG/L 0.7 UG/L	 J	 g
385-EBS8-002 ADP51 EBS8-DGS-DP01-GW-1 10.00 - 0.00	CLP VOA	TOLUENE VINYL CHLORIDE	0.3 UG/L 10 UG/L	J 	g
385-EBS8-003 ADP51 EBS8-DGS-DP01-GW-1 15.00 - 0.00	CLP VOA	TOLUENE	0.3 UG/L	J	g
385-EBS8-004 ADP51 EBS8-DGS-DP02-GW-5 5.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) TOLUENE TRICHLOROETHENE	3 UG/L 31 UG/L 0.3 UG/L 4 UG/L	 J 	 g
385-EBS8-005 ADP51 EBS8-DGS-DP02-GW-1 10.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE TOLUENE VINYL CHLORIDE	4 UG/L 0.6 UG/L 0.4 UG/L 31 UG/L	 J J 	 f,g g
385-EBS8-006 ADP51 EBS8-DGS-DP02-GW-1 15.00 - 0.00	CLP VOA	TOLUENE	0.3 UG/L	J	a,g
385-EBS8-007 ADP51 EBS8-DGS-DP03-GW-5 .00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE CARBON DISULFIDE TOLUENE VINYL CHLORIDE	0.7 UG/L 47 UG/L 0.4 UG/L 0.5 UG/L 0.5 UG/L 0.6 UG/L	 J J J 	 g f,g g
385-EBS8-008 ADP51 EBS8-DGS-DP03-GW-1 10.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) BENZENE TOLUENE VINYL CHLORIDE	6 UG/L 0.6 UG/L 0.5 UG/L 18 UG/L	 J 	 g
385-EBS8-009 ADP51 EBS8-DGS-DP03-GW-1 15.00 - 0.00	CLP VOA	TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	0.5 UG/L 2 UG/L 0.3 UG/L	J J	g g
385-EBS8-010 ADP52 EBS8-DGS-DP04-GW-5 5.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	0.8 UG/L 68 UG/L 0.6 UG/L 0.9 UG/L 2 UG/L 0.3 UG/L	 J J	 g g
385-EBS8-011 ADP52 EBS8-DGS-DP04-GW-1 10.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE TOLUENE	1 UG/L 12 UG/L 0.5 UG/L 0.8 UG/L	 J	 g

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE EBS8 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-EBS8-011 ADP52 EBS8-DGS-DP04-GW-1 10.00 - 0.00	CLP VOA	VINYL CHLORIDE	35 UG/L		
385-EBS8-012 ADP52 EBS8-DGS-DP04-GW-1 15.00 - 0.00	CLP VOA	TOLUENE VINYL CHLORIDE	0.6 UG/L 5 UG/L	J	g
385-EBS8-013 ADP52 EBS8-DGS-DP04-GW-2 20.00 - 0.00	CLP VOA	CARBON DISULFIDE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	0.5 UG/L 1 UG/L 5 UG/L 0.5 UG/L	J J J	f,g g g
385-EBS8-015 ADP84 EBS8-DGS-DP05-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE XYLENE (TOTAL)	120 UG/L 2 UG/L 33 UG/L 0.8 UG/L	 J	 g
385-EBS8-016 ADP90 EBS8-DGS-DP05-GW-1 12.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) BENZENE CARBON DISULFIDE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	7 UG/L 0.7 UG/L 1 UG/L 0.5 UG/L 33 UG/L 0.6 UG/L	 J J J	 g g g
385-EBS8-017 ADP84 EBS8-DGS-DP06-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) TRICHLOROETHENE XYLENE (TOTAL)	0.8 UG/L 10 UG/L 0.4 UG/L 1 UG/L	 J J	 g g
385-EBS8-018 ADP90 EBS8-DGS-DP06-GW-1 12.00 - 0.00	CLP VOA	METHYL TERT BUTYL ETHER TOLUENE XYLENE (TOTAL)	0.4 UG/L 0.5 UG/L 1 UG/L	J J J	g g g
385-EBS8-019 ADP84 EBS8-DGS-DP07-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE VINYL CHLORIDE XYLENE (TOTAL)	0.3 UG/L 28 UG/L 0.4 UG/L 2 UG/L 0.6 UG/L	J J J	g g g
385-EBS8-020 ADP90 EBS8-DGS-DP07-GW-1 12.00 - 0.00	CLP VOA	BENZENE METHYL TERT BUTYL ETHER TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	0.4 UG/L 2 UG/L 0.4 UG/L 15 UG/L 0.4 UG/L	J J J J	g g g g
385-EBS8-021 ADP92 EBS8-DGS-DP07-GW-8 8.00 - 0.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE METHYL TERT BUTYL ETHER TOLUENE TRICHLOROETHENE XYLENE (TOTAL)	0.3 UG/L 13 UG/L 0.6 UG/L 1 UG/L 0.8 UG/L 1 UG/L 2 UG/L	J J J J J J	g g g g g g
385-EBS8-022	CLP VOA	1,2-DICHLOROETHANE	1 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE EBS8 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-EBS8-022 ADP92 EBS8-DGS-DP07-GW-1 12.00 - 0.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) CARBON DISULFIDE TOLUENE VINYL CHLORIDE XYLENE (TOTAL)	13 UG/L 0.9 UG/L 0.4 UG/L 7 UG/L 0.4 UG/L	 J J J	 g g g
385-EBS8-023 ADP93 EBS8-DGS-DP09-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) TOLUENE VINYL CHLORIDE	5 UG/L 0.3 UG/L 1 UG/L	 J	 g
385-EBS8-025 ADP93 EBS8-DGS-DP10-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) VINYL CHLORIDE	2 UG/L 18 UG/L 3 UG/L		
385-EBS8-026 ADP93 EBS8-DGS-DP10-GW-1 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) VINYL CHLORIDE	0.4 UG/L 3 UG/L	J	g
385-EBS8-027 ADP93 EBS8-DGS-DP11-GW-8 8.00 - 10.00	CLP VOA	1,2-DICHLOROETHANE 1,2-DICHLOROETHENE (TOTAL) BENZENE TRICHLOROETHENE VINYL CHLORIDE	1 UG/L 24 UG/L 0.5 UG/L 0.3 UG/L 9 UG/L	 J J 	 g g
385-EBS8-028 ADP93 EBS8-DGS-DP11-GW-1 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) VINYL CHLORIDE	1 UG/L 20 UG/L	J	g
385-EBS8-029 ADP93 BS8-DGS-DP12-GW-8 .00 - 10.00	CLP VOA	CHLOROBENZENE	1400 UG/L		
385-EBS8-030 ADP93 EBS8-DGS-DP12-GW-1 12.00 - 14.00	CLP VOA	1,2-DICHLOROETHENE (TOTAL) BENZENE CHLOROBENZENE TOLUENE VINYL CHLORIDE	5 UG/L 0.9 UG/L 13 UG/L 0.3 UG/L 5 UG/L	 J 	 g
385-EBS8-901 ADP93 EBS8-DGS-DP12-GW-8 8.00 - 10.00	CLP VOA	CHLOROBENZENE	1500 UG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE EBS23G
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-EBS23G-001 AAT09 EBS23G-DGS-DP01-SO 1.50 - 2.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-EBS23G-001A ADP62 EBS23G-DGS-DP01-SO 1.50 - 2.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	85 MG/KG 6.0 %MST	M	
385-EBS23G-002 AAT09 EBS23G-DGS-DP01-SO 4.50 - 5.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-EBS23G-002A ADP62 EBS23G-DGS-DP01-SO 4.50 - 5.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	17 MG/KG 18.0 %MST	J	z
385-EBS23G-003 AAT09 EBS23G-DGS-DP01-SO 7.00 - 7.50	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-EBS23G-003A ADP62 EBS23G-DGS-DP01-SO 7.00 - 7.50	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	160 MG/KG 49.8 %MST	J	z
385-EBS23G-004 AAT09 EBS23G-DGS-DP01-SO 10.00 - 10.50	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-EBS23G-004A ADP62 EBS23G-DGS-DP01-SO 10.00 - 10.50	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	31 MG/KG 17.4 %MST	J	z

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE EBS23G (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-EBS23G-900	CLP VOA	BROMODICHLOROMETHANE	1 UG/L	J	g
ADP62		CHLOROFORM	3 UG/L		
EBS23G-DGS-ER-1		DIBROMOCHLOROMETHANE	0.6 UG/L	J	g
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	-	-	-	-
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.03 MG/L	J	g

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE EBS98
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-EBS98-001 ADP92 EBS98-DGS-PZ01-GW-10.00 - 0.00	PESTICIDES	-	-	-	-
385-EBS98-002 ADP92 EBS98-DGS-PZ02-GW-10.00 - 0.00	PESTICIDES	-	-	-	-
385-EBS98-003 ADP92 EBS98-DGS-PZ03-GW-10.00 - 0.00	PESTICIDES	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE FLCAAB
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-FLCAAB-006	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.232 %		
ABS11		NITROGEN	77.49 %		
FLCAAB-DGS-SG02-SG		OXYGEN	22.27 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.232 %		
		NITROGEN	77.49 %		
		OXYGEN	22.27 %		
	VOCS BY TO14	CHLOROMETHANE	6.84 UG/M3	J	f
		TOLUENE	12.13 UG/M3		
385-FLCAAB-007	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.249 %		
ABS11		NITROGEN	77.48 %		
FLCAAB-DGS-SG02-SG		OXYGEN	22.27 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.249 %		
		NITROGEN	77.48 %		
		OXYGEN	22.27 %		
	VOCS BY TO14	-	-	-	-
385-FLCAAB-009	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.178 %		
ABS11		NITROGEN	78.36 %		
FLCAAB-DGS-SG04-SG		OXYGEN	21.46 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.178 %		
		NITROGEN	78.36 %		
		OXYGEN	21.46 %		
	VOCS BY TO14	CHLOROMETHANE	12.70 UG/M3	J	f
385-FLCAAB-010	LANDFILL GASES BY D1945	NITROGEN	77.20 %		
ABS11		OXYGEN	22.80 %		
FLCAAB-DGS-SG04-SG	LANDFILL GASES BY D1945H	NITROGEN	77.20 %		
4.00 - 0.00		OXYGEN	22.80 %		
	VOCS BY TO14	-	-	-	-
385-FLCAAB-012	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.042 %		
ABS11		NITROGEN	77.18 %		
FLCAAB-DGS-SG06-SG		OXYGEN	22.78 %		
.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.042 %		
		NITROGEN	77.18 %		
		OXYGEN	22.78 %		
	VOCS BY TO14	M & P-XYLENE	23.73 UG/M3		
		TOLUENE	19.09 UG/M3		
385-FLCAAB-013	LANDFILL GASES BY D1945	NITROGEN	77.17 %		
ABS11		OXYGEN	22.83 %		
FLCAAB-DGS-SG06-SG	LANDFILL GASES BY D1945H	NITROGEN	77.17 %		
4.00 - 0.00		OXYGEN	22.83 %		
	VOCS BY TO14	TOLUENE	13.48 UG/M3		
385-FLCAAB-015	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.967 %		
ABS11		NITROGEN	77.96 %		
FLCAAB-DGS-SG08-SG		OXYGEN	21.08 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.967 %		
		NITROGEN	77.96 %		
		OXYGEN	21.08 %		
	VOCS BY TO14	M & P-XYLENE	17.07 UG/M3		
		TOLUENE	17.46 UG/M3		
385-FLCAAB-016	LANDFILL GASES BY D1945	NITROGEN	77.14 %		
ABS11		OXYGEN	22.86 %		
FLCAAB-DGS-SG08-SG	LANDFILL GASES BY D1945H	NITROGEN	77.14 %		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE FLCAAB (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-FLCAAB-016 ABS11 FLCAAB-DGS-SG08-SG 4.00 - 0.00	LANDFILL GASES BY D1945 VOCS BY TO14	OXYGEN M & P-XYLENE	22.86 % 19.25 UG/M3		
385-FLCAAB-901 ABS11 FLCAAB-DGS-SG04-SG 4.00 - 0.00	LANDFILL GASES BY D1945 LANDFILL GASES BY D1945H VOCS BY TO14	NITROGEN OXYGEN NITROGEN OXYGEN M & P-XYLENE	77.19 % 22.81 % 77.19 % 22.81 % 16.54 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE FLCAAB (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-FLCAAB-001 AAT09 FLCAAB-DGS-DP01-SO 1.50 - 2.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-FLCAAB-001A ADP62 FLCAAB-DGS-DP01-SO 1.50 - 2.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	8 MG/KG 5.0 %MST	J	g,z
385-FLCAAB-002 AAT09 FLCAAB-DGS-DP01-SO 4.50 - 5.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-FLCAAB-002A ADP62 FLCAAB-DGS-DP01-SO 4.50 - 5.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	7 MG/KG 16.1 %MST	J	g,z
385-FLCAAB-003 AAT09 FLCAAB-DGS-DP01-SO 7.00 - 7.50	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-FLCAAB-003A ADP62 FLCAAB-DGS-DP01-SO 7.00 - 7.50	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	13 MG/KG 16.3 %MST	J	z
385-FLCAAB-004 AAT09 FLCAAB-DGS-DP01-SO 10.00 - 10.50	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-FLCAAB-004A ADP62 FLCAAB-DGS-DP01-SO 10.00 - 10.50	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	DIESEL RANGE ORGANICS MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	14 MG/KG 74 MG/KG 21.4 %MST	M	

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA4C
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA4C-001	CLP VOA	BENZENE	32000 UG/L		
ADP83		ETHYLBENZENE	2600 UG/L		
CAA4C-DGS-DP01-GW-		TOLUENE	34000 UG/L		
10.00 - 0.00		XYLENE (TOTAL)	13000 UG/L		
	METALS (TOTAL)	LEAD	12.0 UG/L		
	TPH EXTRACTABLES (DIESEL)	JP-5	7.2 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	238 MG/L		
385-CAA4C-002	CLP VOA	BENZENE	34000 UG/L		
ADP83		ETHYLBENZENE	2500 UG/L		
CAA4C-DGS-DP01-GW-		TOLUENE	1100 UG/L	J	f
15.00 - 0.00		XYLENE (TOTAL)	5600 UG/L		
	METALS (TOTAL)	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	JP-5	4.0 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	41 MG/L		
385-CAA4C-003	CLP VOA	1,2-DICHLOROETHANE	0.8 UG/L		
ADP83		BENZENE	4 UG/L		
CAA4C-DGS-DP02-GW-		ETHYLBENZENE	5 UG/L		
12.00 - 0.00		METHYL TERT BUTYL ETHER	0.7 UG/L	J	g
		TOLUENE	13 UG/L	J	f
		XYLENE (TOTAL)	30 UG/L		
	METALS (TOTAL)	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	JP-5	0.07 MG/L	J	g,z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.22 MG/L		
385-CAA4C-004	CLP VOA	1,2-DICHLOROETHANE	1 UG/L		
ADP83		BENZENE	24 UG/L		
CAA4C-DGS-DP02-GW-		ETHYLBENZENE	47 UG/L		
17.00 - 0.00		METHYL TERT BUTYL ETHER	1 UG/L	J	g
		TOLUENE	88 UG/L	J	f
		XYLENE (TOTAL)	230 UG/L		
	METALS (TOTAL)	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	JP-5	0.1 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	3.01 MG/L		
385-CAA4C-005	CLP VOA	BENZENE	8300 UG/L		
ADP82		XYLENE (TOTAL)	76 UG/L	J	g
CAA4C-DGS-DP03-GW-	METALS (TOTAL)	-	-	-	-
7.00 - 0.00	TPH EXTRACTABLES (DIESEL)	JP-5	0.93 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	16.4 MG/L	J	z
385-CAA4C-006	CLP VOA	BENZENE	52 UG/L		
ADP82		ETHYLBENZENE	0.9 UG/L	J	g
CAA4C-DGS-DP03-GW-		METHYL TERT BUTYL ETHER	3 UG/L	J	g
12.00 - 0.00		XYLENE (TOTAL)	6 UG/L		
	METALS (TOTAL)	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	JP-5	0.22 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.21 MG/L	J	z
385-CAA4C-007	CLP VOA	BENZENE	19000 UG/L		
ADP83		CARBON DISULFIDE	1200 UG/L		
CAA4C-DGS-DP04-GW-		ETHYLBENZENE	2600 UG/L		
8.00 - 0.00		TOLUENE	16000 UG/L	J	f
		XYLENE (TOTAL)	14000 UG/L		
	METALS (TOTAL)	LEAD	5.6 UG/L		
	TPH EXTRACTABLES (DIESEL)	JP-5	4.0 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	129 MG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA4C (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA4C-008	CLP VOA	1,2-DICHLOROETHANE	28 UG/L		
ADP83		BENZENE	120 UG/L	J	c
CAA4C-DGS-DP04-GW-		ETHYLBENZENE	28 UG/L		
13.00 - 0.00		METHYL TERT BUTYL ETHER	5 UG/L	J	g
		TOLUENE	110 UG/L	J	c,f
		XYLENE (TOTAL)	150 UG/L		
	METALS (TOTAL)	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	JP-5	0.08 MG/L	J	g,z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1.02 MG/L		
385-CAA4C-009	CLP VOA	BENZENE	29000 UG/L		
ADP83		CARBON DISULFIDE	4600 UG/L		
CAA4C-DGS-DP05-GW-		ETHYLBENZENE	2900 UG/L		
8.00 - 0.00		TOLUENE	5500 UG/L	J	f
		XYLENE (TOTAL)	9600 UG/L		
	METALS (TOTAL)	LEAD	7.4 UG/L		
	TPH EXTRACTABLES (DIESEL)	JP-5	3.12 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	109 MG/L		
385-CAA4C-010	CLP VOA	1,2-DICHLOROETHANE	38 UG/L		
ADP83		BENZENE	140 UG/L		
CAA4C-DGS-DP05-GW-		ETHYLBENZENE	32 UG/L		
14.00 - 0.00		METHYL TERT BUTYL ETHER	2 UG/L	J	g
		TOLUENE	81 UG/L	J	f
		XYLENE (TOTAL)	86 UG/L		
	METALS (TOTAL)	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	JP-5	0.41 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	2.04 MG/L		
385-CAA4C-011	CLP VOA	1,2-DICHLOROETHANE	23 UG/L	J	g
ADP85		ACETONE	9100 UG/L	J	f
CAA4C-DGS-PZ01-GW-		BENZENE	18000 UG/L		
5.00 - 0.00		ETHYLBENZENE	7100 UG/L		
		TOLUENE	32000 UG/L		
		XYLENE (TOTAL)	36000 UG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	237 MG/L		
385-CAA4C-011A	AROMATIC VOLATILES	BENZENE	8130 UG/L	J	h
ADP93		ETHYLBENZENE	3830 UG/L	J	h
CAA4C-DGS-DP06-GW-		TOLUENE	15300 UG/L	J	h
4.00 - 8.00		TOTAL XYLENE	17000 UG/L	J	h
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	108 MG/L		
385-CAA4C-012	AROMATIC VOLATILES	BENZENE	1470 UG/L	J	h
ADP93		ETHYLBENZENE	1280 UG/L	J	h
CAA4C-DGS-DP07-GW-		TOLUENE	94 UG/L	J	h
8.00 - 12.00		TOTAL XYLENE	194 UG/L	J	h
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	7.08 MG/L	J	a
385-CAA4C-013	AROMATIC VOLATILES	BENZENE	58.4 UG/L	J	h
ADP93		ETHYLBENZENE	71.7 UG/L	J	h
CAA4C-DGS-DP08-GW-		TOLUENE	231 UG/L	J	h
4.00 - 8.00		TOTAL XYLENE	314 UG/L	J	h
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	1.79 MG/L		
385-CAA4C-014	AROMATIC VOLATILES	BENZENE	1.2 UG/L	J	h
ADP93		ETHYLBENZENE	8.7 UG/L	J	h
CAA4C-DGS-DP09-GW-		TOLUENE	4.7 UG/L	J	h

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA4C (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA4C-014 ADP93 CAA4C-DGS-DP09-GW- 4.00 - 8.00	AROMATIC VOLATILES TPH PURGEABLES (GASOLINE)	TOTAL XYLENE GASOLINE RANGE ORGANICS	20 UG/L 0.12 MG/L	J	h
385-CAA4C-015 ADP93 CAA4C-DGS-DP10-GW- 4.00 - 8.00	AROMATIC VOLATILES TPH PURGEABLES (GASOLINE)	BENZENE GASOLINE RANGE ORGANICS	0.3 UG/L 0.27 MG/L	J	g,h
385-CAA4C-901 ADP82 CAA4C-DGS-ER-1 0.00 - 0.00	CLP VOA METALS (TOTAL) TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	BENZENE - DIESEL RANGE ORGANICS -	0.4 UG/L - 0.05 MG/L -	J - J -	g - g,z -
385-CAA4C-902 ADP83 CAA4C-DGS-DP05-GW- 14.00 - 0.00	CLP VOA METALS (TOTAL) TPH EXTRACTABLES (DIESEL) TPH PURGEABLES (GASOLINE)	1,2-DICHLOROETHANE BENZENE ETHYLBENZENE METHYL TERT BUTYL ETHER TOLUENE XYLENE (TOTAL) - JP-5 GASOLINE RANGE ORGANICS	37 UG/L 160 UG/L 35 UG/L 2 UG/L 92 UG/L 98 UG/L - 0.43 MG/L 2.10 MG/L	 J - J	 g - z
385-CAA4C-903 ADP93 CAA4C-DGS-DP10-GW- 4.00 - 8.00	AROMATIC VOLATILES TPH PURGEABLES (GASOLINE)	- GASOLINE RANGE ORGANICS	- 0.03 MG/L	- J	- g
385-CAA4C-904 ADP93 CAA4C-DGS-TB-1 .00 - 0.00	CLP VOA TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA9A
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA9A-002	LANDFILL GASES BY D1945	CARBON DIOXIDE	2.584 %		
ABS11		NITROGEN	77.43 %		
CAA9A-DGS-SG02-SG-		OXYGEN	19.99 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	2.584 %		
		NITROGEN	77.43 %		
		OXYGEN	19.99 %		
	VOCS BY TO14	M & P-XYLENE	50.23 UG/M3		
		TOLUENE	81.26 UG/M3		
385-CAA9A-003	LANDFILL GASES BY D1945	CARBON DIOXIDE	7.619 %		
ABS11		NITROGEN	78.33 %		
CAA9A-DGS-SG02-SG-		OXYGEN	14.05 %		
5.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	7.619 %		
		NITROGEN	78.33 %		
		OXYGEN	14.05 %		
	VOCS BY TO14	TOLUENE	63.26 UG/M3		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA9A (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA9A-004 AAT09 CAA9A-DGS-DP01-SO- 1.50 - 2.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-CAA9A-004A ADP62 CAA9A-DGS-DP01-SO- 1.50 - 2.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	- PERCENT MOISTURE	- 14.2 %MST	-	-
385-CAA9A-005 AAT09 CAA9A-DGS-DP01-SO- 4.50 - 5.00	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-CAA9A-005A ADP62 CAA9A-DGS-DP01-SO- 4.50 - 5.00	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	12 MG/KG 5.0 %MST	M	
385-CAA9A-006 AAT09 CAA9A-DGS-DP01-SO- 7.00 - 7.50	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-CAA9A-006A ADP62 CAA9A-DGS-DP01-SO- 7.00 - 7.50	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	- PERCENT MOISTURE	- 15.9 %MST	-	-
385-CAA9A-007 AAT09 CAA9A-DGS-DP01-SO- 0.00 - 10.50	VOA 8260 TPH PURGEABLES (GASOLINE)	- -	- -	- -	- -
385-CAA9A-007A ADP62 CAA9A-DGS-DP01-SO- 10.00 - 10.50	TPH EXTRACTABLES (DIESEL) PERCENT MOISTURE	MOTOR OIL RANGE ORGANICS PERCENT MOISTURE	22 MG/KG 19.7 %MST	J	z

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA9A (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA9A-008	VOA 8260	-	-	-	-
ADP66	METALS (TOTAL)	-	-	-	-
CAA9A-DGS-584MW-1-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.2 MG/L		
10.00 - 10.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-CAA9A-009	VOA 8260	-	-	-	-
ADP66	METALS (TOTAL)	-	-	-	-
CAA9A-DGS-584MW-2-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.20 MG/L		
10.00 - 10.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-CAA9A-010	VOA 8260	-	-	-	-
ADP66	METALS (TOTAL)	LEAD	12.2 UG/L		
CAA9A-DGS-584MW-3-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.36 MG/L		
10.00 - 10.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-CAA9A-011	CLP VOA	-	-	-	-
ADP70	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.65 MG/L	M	
CAA9A-DGS-OF-O-GWI	TPH PURGEABLES (GASOLINE)	-	-	-	-
0.00 - 0.00					
385-CAA9A-901	VOA 8260	-	-	-	-
ADP66	METALS (TOTAL)	LEAD	19.5 UG/L		
CAA9A-DGS-584MW-3-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.39 MG/L		
10.00 - 10.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-CAA9A-902	CLP VOA	BROMODICHLOROMETHANE	1 UG/L	J	g
ADP70		CHLOROFORM	3 UG/L		
CAA9A-DGS-TB-2		DIBROMOCHLOROMETHANE	0.5 UG/L	J	g
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments :
- a - Surrogate recovery problem
- b - Blank contamination problems
- c - Matrix spike recovery problems
- d - Duplicate (precision) problems
- e - Internal standard problems
- f - Calibration problems
- g - Quantification below reporting limit
- h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA10
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

AIR

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA10-002	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.175 %		
ABS11		NITROGEN	77.37 %		
CAA10-DGS-SG02-SG-		OXYGEN	22.45 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.175 %		
		NITROGEN	77.37 %		
		OXYGEN	22.45 %		
	VOCS BY TO14	-	-	-	-
385-CAA10-003	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.303 %		
ABS11		NITROGEN	77.45 %		
CAA10-DGS-SG02-SG-		OXYGEN	22.24 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.303 %		
		NITROGEN	77.45 %		
		OXYGEN	22.24 %		
	VOCS BY TO14	CHLOROMETHANE	13.90 UG/M3		
385-CAA10-005	LANDFILL GASES BY D1945	CARBON DIOXIDE	0.250 %		
ABS11		NITROGEN	77.30 %		
CAA10-DGS-SG04-SG-		OXYGEN	22.45 %		
1.50 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	0.250 %		
		NITROGEN	77.30 %		
		OXYGEN	22.45 %		
	VOCS BY TO14	TOLUENE	17.90 UG/M3		
385-CAA10-006	LANDFILL GASES BY D1945	CARBON DIOXIDE	1.171 %		
ABS11		NITROGEN	77.21 %		
CAA10-DGS-SG04-SG-		OXYGEN	21.62 %		
4.00 - 0.00	LANDFILL GASES BY D1945H	CARBON DIOXIDE	1.171 %		
		NITROGEN	77.21 %		
		OXYGEN	21.62 %		
	VOCS BY TO14	1,3-DICHLOROBENZENE	23.63 UG/M3		
		1,4-DICHLOROBENZENE	23.04 UG/M3		
		BENZENE	18.05 UG/M3		
		M & P-XYLENE	23.06 UG/M3		
		TOLUENE	28.98 UG/M3		
385-CAA10-900	LANDFILL GASES BY D1945	NITROGEN	77.70 %		
ABS11		OXYGEN	22.30 %		
CAA10-DGS-FB-1	LANDFILL GASES BY D1945H	NITROGEN	77.70 %		
0.00 - 0.00		OXYGEN	22.30 %		
	VOCS BY TO14	-	-	-	-

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA12
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA12-001	CLP VOA	XYLENE (TOTAL)	230 UG/KG	J	a,g
ADP56	METALS (TOTAL)	-	-	-	-
CAA12-DGS-DP01-SO-	TPH EXTRACTABLES (DIESEL)	JP-5	6000 MG/KG		
1.50 - 2.00	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	63 MG/KG	J	a,c
	PERCENT MOISTURE	PERCENT MOISTURE	7.0 %MST		
385-CAA12-002	CLP VOA	-	-	-	-
ADP56	METALS (TOTAL)	-	-	-	-
CAA12-DGS-DP01-SO-	TPH EXTRACTABLES (DIESEL)	-	-	-	-
5.00 - 5.50	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PERCENT MOISTURE	PERCENT MOISTURE	17.0 %MST		
385-CAA12-003	CLP VOA	-	-	-	-
ADP56	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	250 MG/KG	M	
CAA12-DGS-DP01-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
10.00 - 10.50	PERCENT MOISTURE	PERCENT MOISTURE	21.0 %MST		
385-CAA12-004	CLP VOA	-	-	-	-
ADP56	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	535 MG/KG	M	
CAA12-DGS-DP01-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
15.00 - 15.50	PERCENT MOISTURE	PERCENT MOISTURE	36.6 %MST		
385-CAA12-005	CLP VOA	-	-	-	-
ADP56	METALS (TOTAL)	LEAD	8.8 MG/KG		
CAA12-DGS-DP02-SO-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	51 MG/KG	M	
1.50 - 2.00	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PERCENT MOISTURE	PERCENT MOISTURE	3.9 %MST		
385-CAA12-006	CLP VOA	-	-	-	-
ADP56	METALS (TOTAL)	LEAD	11.4 MG/KG		
CAA12-DGS-DP02-SO-	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	190 MG/KG	M	
5.00 - 5.50	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PERCENT MOISTURE	PERCENT MOISTURE	19.8 %MST		
35-CAA12-007	CLP VOA	-	-	-	-
DP56	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	48 MG/KG		
CAA12-DGS-DP02-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
10.00 - 10.50	PERCENT MOISTURE	PERCENT MOISTURE	15.3 %MST		
385-CAA12-009	CLP VOA	-	-	-	-
ADP55	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	17 MG/KG	M	
CAA12-DGS-DP03-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
1.50 - 2.00	PERCENT MOISTURE	PERCENT MOISTURE	5.9 %MST		
385-CAA12-010	CLP VOA	-	-	-	-
ADP55	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	14 MG/KG	M	
CAA12-DGS-DP03-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
4.50 - 5.00	PERCENT MOISTURE	PERCENT MOISTURE	13.9 %MST		
385-CAA12-011	CLP VOA	-	-	-	-
ADP55	TPH EXTRACTABLES (DIESEL)	-	-	-	-
CAA12-DGS-DP03-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
9.50 - 10.00	PERCENT MOISTURE	PERCENT MOISTURE	17.7 %MST		
385-CAA12-012	CLP VOA	-	-	-	-
ADP55	TPH EXTRACTABLES (DIESEL)	-	-	-	-
CAA12-DGS-DP03-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
15.00 - 15.50	PERCENT MOISTURE	PERCENT MOISTURE	15.9 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA12 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA12-013	CLP VOA	TOLUENE	0.8 UG/KG	J	g
ADP55	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	690 MG/KG	M	
CAA12-DGS-DP04-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
1.00 - 1.50	PERCENT MOISTURE	PERCENT MOISTURE	5.0 %MST		
385-CAA12-014	CLP VOA	-	-	-	-
ADP55	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	390 MG/KG	M	
CAA12-DGS-DP04-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
4.00 - 4.50	PERCENT MOISTURE	PERCENT MOISTURE	6.5 %MST		
385-CAA12-015	CLP VOA	CHLOROBENZENE	2 UG/KG	J	g
ADP55		CHLOROFORM	1 UG/KG	J	g
CAA12-DGS-DP04-SO-	TPH EXTRACTABLES (DIESEL)	-	-	-	-
10.00 - 10.50	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PERCENT MOISTURE	PERCENT MOISTURE	16.3 %MST		
385-CAA12-016	CLP VOA	CHLOROFORM	2 UG/KG	J	g
ADP55	TPH EXTRACTABLES (DIESEL)	-	-	-	-
CAA12-DGS-DP04-SO-	TPH PURGEABLES (GASOLINE)	-	-	-	-
15.00 - 15.50	PERCENT MOISTURE	PERCENT MOISTURE	15.8 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE CAA12 (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-CAA12-901	CLP VOA	BROMODICHLOROMETHANE	1 UG/L	J	g
ADP56		CHLOROFORM	4 UG/L		
CAA12-DGS-ER-1		DIBROMOCHLOROMETHANE	0.7 UG/L	J	g
0.00 - 0.00	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	0.07 MG/L	J	g
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-CAA12-902	CLP VOA	2-HEXANONE	0.6 UG/L	J	a,f,g
ADP56		CARBON DISULFIDE	0.3 UG/L	J	a,f,g
CAA12-DGS-TB-1					
0.00 - 0.00					

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE IDW
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-IDW-001	CLP VOA	TOLUENE	0.6 UG/KG	J	g
ADP74	SVOA	-	-	-	-
IDW-DGS-SO-COMP	METALS (TOTAL)	ALUMINUM	6110 MG/KG		
0.00 - 0.00		ARSENIC	3.2 MG/KG		
		BARIUM	63.4 MG/KG		
		CADMIUM	0.38 MG/KG	J	g
		CALCIUM	7950 MG/KG		
		CHROMIUM	33.8 MG/KG		
		COBALT	9.3 MG/KG	J	g
		COPPER	18.2 MG/KG		
		IRON	12500 MG/KG		
		LEAD	22.1 MG/KG		
		MAGNESIUM	3530 MG/KG		
		MANGANESE	183 MG/KG		
		MERCURY	0.42 MG/KG		
		NICKEL	33.8 MG/KG		
		POTASSIUM	702 MG/KG	J	g
		VANADIUM	24.4 MG/KG		
		ZINC	38.5 MG/KG		
	PESTICIDES	-	-	-	-
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	640 MG/KG		
		MOTOR OIL RANGE ORGANICS	1100 MG/KG		
	TPH PURGEABLES (GASOLINE)	-	-	-	-
	PH	PH	9.02	J	h
	PERCENT MOISTURE	PERCENT MOISTURE	3.0 %MST		
	TCLP METALS	ALUMINUM	314 UG/L		
		ANTIMONY	6.0 UG/L	J	g
		BARIUM	589 UG/L		
		CADMIUM	5.3 UG/L	J	g
		CALCIUM	330000 UG/L		
		CHROMIUM	3.5 UG/L	J	g
		COBALT	29.1 UG/L	J	g
		COPPER	17.8 UG/L	J	g
		IRON	217 UG/L		
		LEAD	10.3 UG/L		
		MAGNESIUM	17000 UG/L		
		MANGANESE	2540 UG/L		
		MERCURY	0.53 UG/L		
		NICKEL	58.0 UG/L	J	g
		POTASSIUM	14700 UG/L		
		VANADIUM	0.98 UG/L	J	g
		ZINC	104 UG/L		
COMP-1	CLP VOA	-	-	-	-
ADP96	SVOA	-	-	-	-
IDW	METALS (TOTAL)	ALUMINUM	7800 MG/KG		
0.00 - 0.00		ARSENIC	3.0 MG/KG		
		BARIUM	67.0 MG/KG		
		CADMIUM	2.0 MG/KG		
		CALCIUM	5200 MG/KG		
		CHROMIUM	42.9 MG/KG		
		COBALT	7.0 MG/KG	J	g
		COPPER	12.8 MG/KG		
		IRON	11700 MG/KG		
		LEAD	34.6 MG/KG		
		MAGNESIUM	3350 MG/KG		
		MANGANESE	164 MG/KG		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE IDW (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

SOIL

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
COMP-1	METALS (TOTAL)	MERCURY	0.14 MG/KG		
ADP96		MOLYBDENUM	0.41 MG/KG	J	g
IDW		NICKEL	42.1 MG/KG		
0.00 - 0.00		POTASSIUM	762 MG/KG	J	g
		SILVER	0.49 MG/KG	J	g
		VANADIUM	25.2 MG/KG		
		ZINC	43.1 MG/KG		
	PESTICIDES	-	-	-	-
	PCB	AROCLOR-1260 (PCB-1260)	9 UG/KG	J	g
	TPH EXTRACTABLES (DIESEL)	MOTOR OIL RANGE ORGANICS	250 MG/KG		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.02 MG/KG	J	g
	PH	PH	9.29		
	PERCENT MOISTURE	MOISTURE	4.9 %MST		

Validity (Qual) : J - Estimated concentration

Applicable Comments :
a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
d - Duplicate (precision) problems
e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

ALAMEDA CTO 385
SITE IDW (Continued)
ANALYTICAL SUMMARY RESULT FOR DETECTED ANALYTES
(VALIDATED DATA)

WATER

Sample No./SDG No. Field ID/Depth (ft)	Analytical Method	Detected Constituents	Concentration	Qual	Com
385-IDW-002	CLP VOA	2-BUTANONE	0.8 UG/L	J	g
ADP74		METHYL TERT BUTYL ETHER	0.3 UG/L	J	g
IDW-DGS-WA	SVOA	-	-	-	-
0.00 - 0.00	METALS (TOTAL)	BARIUM	159 UG/L	J	g
		CADMIUM	1.5 UG/L	J	g
		CALCIUM	104000 UG/L		
		CHROMIUM	36.4 UG/L		
		COBALT	36.4 UG/L	J	g
		COPPER	10.3 UG/L	J	g
		IRON	207 UG/L		
		LEAD	3.3 UG/L	J	g
		MAGNESIUM	20900 UG/L		
		MANGANESE	21.0 UG/L	J	g
		MERCURY	0.056 UG/L	J	g
		MOLYBDENUM	30.2 UG/L		
		NICKEL	22.1 UG/L	J	g
		POTASSIUM	32400 UG/L		
		SODIUM	620000 UG/L	J	h
		VANADIUM	27.3 UG/L	J	g
	PESTICIDES	-	-	-	-
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	1.1 MG/L	J	z
	TPH PURGEABLES (GASOLINE)	-	-	-	-
385-IDW-003	CLP VOA	-	-	-	-
ADP74					
IDW-DGS-TB-1					
0.00 - 0.00					
COMP-2	CLP VOA	4-METHYL-2-PENTANONE	1 UG/L	J	g
ADP96		ACETONE	29 UG/L		
IDW		CARBON DISULFIDE	0.4 UG/L	J	g
0.00 - 0.00		CHLOROFORM	0.5 UG/L	J	g
		METHYL TERT BUTYL ETHER	810 UG/L		
		TOLUENE	2 UG/L		
		XYLENE (TOTAL)	2 UG/L		
	SVOA	-	-	-	-
	METALS (TOTAL)	ALUMINUM	710 UG/L		
		BARIUM	85.5 UG/L	J	g
		CADMIUM	0.71 UG/L	J	g
		CALCIUM	41400 UG/L		
		CHROMIUM	1.5 UG/L	J	g
		COBALT	1.4 UG/L	J	g
		COPPER	3.7 UG/L	J	g
		IRON	64.9 UG/L	J	g
		LEAD	7.0 UG/L		
		MANGANESE	8.4 UG/L	J	g
		MOLYBDENUM	16.3 UG/L		
		NICKEL	3.3 UG/L	J	g
		POTASSIUM	11500 UG/L		
		SODIUM	64400 UG/L		
		VANADIUM	6.0 UG/L	J	g
		ZINC	10.7 UG/L	J	g
	PESTICIDES	-	-	-	-
	PCB	-	-	-	-
	TPH EXTRACTABLES (DIESEL)	DIESEL RANGE ORGANICS	0.44 MG/L		
	TPH PURGEABLES (GASOLINE)	GASOLINE RANGE ORGANICS	0.48 MG/L		

Validity (Qual) : J - Estimated concentration

Applicable Comments : a - Surrogate recovery problem
b - Blank contamination problems
c - Matrix spike recovery problems
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e - Internal standard problems
f - Calibration problems
g - Quantification below reporting limit
h - Other problems, refer to data validation narrative

APPENDIX E
FIELD SOIL GAS DATA
(67 Pages)

SEVERN
TRENT
SERVICES

STL On-Site Technologies
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085

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26 September 2001

Mr. Kyle S. Cockerham, R.G.
Uribe & Associates
447 29th Street
Suite 200
Oakland, CA 94609-3532

RE:
Field Analytical Report
Alameda Point Site
Alameda, CA
July 17 - 18, 2001

Dear Mr. Cockerham:

Enclosed please find the results for the field analytical project conducted at the Alameda Point Site in Alameda, CA for samples received from July 17 - 18, 2001. This five-section report provides a narrative, a summary of results, the final data results, quality control results and chain-of-custody forms.

It was a pleasure working with you and Uribe & Associates on this project and we look forward to working together again. If you have any questions on this report, please do not hesitate to contact me at (413) 572-4000 ext. 103.

Very truly yours,
SEVERN TRENT LABORATORIES

Gianina L. Burnett
Project Manager, On-Site Technologies

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STL On-Site Technologies

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SECTION 1.0

NARRATIVE

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Narrative

A field investigation was conducted at the Alameda Point Site located in Alameda, CA on July 17 - 18, 2001. The intent of this field effort was to measure the levels of contamination in the surrounding air for Volatile Organic Compounds (VOCs) and Gasoline Range Organics (GRO). A total of thirty (30) samples were collected and received between July 17 and 18, 2001 for the following list of target compounds.

Chloromethane	Vinyl Chloride
Chloroethane	1,1-Dichloroethene
1,1-Dichloroethane	cis-1,2-Dichloroethene
1,1,1-Trichloroethane	Benzene
1,2-Dichloroethane	Trichloroethene
Toluene	1,1,2-Trichloroethane
Tetrachloroethene	Ethylbenzene
m&p-Xylene	o-Xylene
1,1,2,2-Tetrachloroethane	1,3-Dichlorobenzene
1,4-Dichlorobenzene	1,2-Dichlorobenzene
trans-1,2-Dichloroethene	Naphthalene
TPH as Gasoline	

Sample Analysis

All samples were analyzed for VOC's using a Hewlett-Packard Model 5890/5972 Gas Chromatograph-Mass Spectrometer (GC/MS). An OI Analytical Model 4560 Purge & Trap sample concentrator was used to purge the VOC's from the sample matrix, concentrate them onto a sorbent trap and desorb them onto the GC system. An OI Analytical MPM-16 multi-sampler was used to allow sample analysis to continue while the mobile laboratory was unmanned. The analytical system and parameters are similar to those used in EPA Method 8260B. Data was processed on a Personal Computer using HP Chemstation Software. Reports were generated with a customized Microsoft Excel reporting program. These reports have been reviewed and are presented in Section 3.0 of this report.

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Volatile Organics Quality Control

Listed below is a description of the QC analysis and the acceptance criteria for the volatile organics analysis conducted:

1. Initial Calibration - A 5-point initial calibration was conducted on the analytical system prior to project initiation. The instrument was calibrated and % RSD were calculated for each analyte. For all analytes the (%RSD) value for each compound or the average of all compounds should have been less than or equal to 15%.

2. Calibration Check Standards - At the beginning of each twelve-hour window, a mid-point calibration check standard was analyzed to verify that the analytical sensitivity did not change from the initial calibration. For all CCC analytes, the (%RSD) value for each compound should have been less than or equal to 30%. For the SPCC analytes 1,1-DCA and Bromoform the minimum RF should be 0.10. For the SPCC analytes Chlorobenzene and 1,1,1,2-Tetrachloroethane, the minimum RF should be 0.30. For all other compounds, the %RSD value should have been less than or equal to 20%. If significant variances were observed, the system was recalibrated.

   Several compounds exceeded the above mentioned criteria This information was conveyed out in the field to the client. Because this project was screening data only recalibration was not performed and no further action was taken.

3. Laboratory Control Standards (LCS) - A QC standard was analyzed for each twelve hour window and used to verify the accuracy of the calibration standards. The LCS was a standard from a second source, other than the calibration standards. %R values were calculated and compared to the 70 - 130% criteria.

   Several compounds exceeded the above mentioned QC Limits. This information was conveyed out in the field to the client. Because this project was screening data only no further action was taken.

4. Method Blanks - A sample of analyte free water was processed at the beginning of each twelve hour window and and after every twenty sample analyses to verify that the analytical system was contaminant-free. Concentrations of detected analytes should have been less than 1/2 the method detection limit. Small contaminants may have been noted as detected in the blank and labelled with a "B". Significant contaminant levels necessitate corrective action, i.e. cleaning of the instrument.

   Naphthalene was detected in Blank 7/17/01, Blank 7/18/01 and Blank 7/18/01 #3. All samples associated with these Method Blanks with positive results for Naphthalene have been qualified with a "B".

5. Surrogate Standards - Surrogate standards were added to all samples, standards and method blanks to measure the potential for matrix interferences. % Recovery values were calculated (appear in the comments section of the data pages) and were compared to the following criteria:

Dibromofluoromethane	80 - 120
1,4-Dichloroethane-d4	80 - 120
Toluene-d8	88 - 110
4-Bromofluoromethane	86 - 115

Small deviations were marked as outside control limits while large deviations necessitated reanalysis.

All results are reported as obtained in the field unless otherwise noted above. This information is provided for your use in assessing overall data quality.

General Comments:

1) Midway through the project, a request was given to analyze samples for TPH as gasoline. The onsite field analyst ran a 1 point curve for this parameter and all results are reported as qualitative data only.

2) Due to interferences, data above the reported RL and less than 1.5 mg/cu.m. for the following compounds have been flagged with a "J" qualifier:

1,2-Dichloroethane	1,1-Dichloroethene
trans-1,2-Dichloroethene	cis-1,2-Dichloroethene
1,1-Dichloroethane	

3) Due to interferences, data above the reported RL and less than 1.0 mg/cu.m. for the following compounds have been flagged with a "J" qualifier:

1,1,1-Trichloroethane	Trichloroethene
Naphthalene	

2) Upon secondary review, the following changes have been made to the Naphthalene results from the preliminary field data to the final results located herein:

Sample ID	Field Result	Final Result
S05-DGS-SG03-2	Not Detected	0.75 JB
S05-DGS-SG03-3	Not Detected	0.73 JB
S05-DGS-SG03-4	Not Detected	0.71 JB
S05-DGS-SG03-5	Not Detected	0.70 JB
S14-DGS-SG03-2	Not Detected	0.72 JB
S14-DGS-SG03-3	Not Detected	0.70 JB

3) The %RSD report for the continuing calibration standard analyzed on 5/15/01 at 18:59 was missing from the hardcopy raw data. This missing information was discovered upon secondary review. When the field analyst attempted to retrieve the data from the backup media, it was discovered that the media was corrupted and recovery of the electronic data was not possible.

SECTION 2.0

SUMMARY OF RESULTS

Uribe and Associates
Alameda Point
Alameda, CA
July 17-18, 2001

ANALYTE	Report Limit mg/cu.m	S05-DGS-SG03-1	S05-DGS-SG03-2	S05-DGS-SG03-3	S05-DGS-SG03-4	S05-DGS-S04-5	S03-DGS-SG03-1	S03-DGS-SG03-2	S03-DGS-SG03-3
VOCs by 8260B									
Dilution Factor		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**5**	**5**	**5**
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	**3.4**	**7.1**	**5.6**	**7.2**	**5.0**	ND	ND	ND
cis-1,2-Dichloroethene	5.0	**1.2 J**	**4.5**	**3.6**	**4.6**	**3.2**	ND	ND	ND
1,1,1-Trichloroethane	5.0	**13**	**30 E**	**24 E**	**29 E**	**24 E**	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	**0.62**	**5.6**	**5.8**	**6.6**	**7.2**	ND	ND	ND
Toluene	5.0	**1.8**	**3.8**	**3.7**	**3.3**	**3.2**	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.0	ND	**1.2**	**1.6**	**2.1**	**1.8**	ND	ND	ND
o-xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,12,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
trans-12,-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	5.0	**0.78 JB**	**0.75 JB**	**0.73 JB**	**0.71 JB**	**0.70 JB**	ND	ND	ND
TPH as Gasoline	200	NA	NA	NA	NA	NA	**32000**	**990**	**1700**

ND = Not Detected
NA = Not Analyzed
B = Detected in the laboratory blank
J = Estimated Value
E= Exceeds upper calibration limit
*= Unknown Hydrocarbon reported as Gasoline

Uribe and Associates
Alameda Point
Alameda, CA
July 17-18, 2001

ANALYTE	Report Limit mg/cu.m	S03-DGS-SG03-4	S03-DGS-SG03-5	S04-DGS-SG03-1	S04-DGS-SG03-2	S04-DGS-SG03-2	S04-DGS-SG04-4	S04-DGS-SG03-5
VOCs by 8260B								
Dilution Factor		**1**	**1**	**0.1**	**0.1**	**0.1**	**NA**	**0.1**
Chloromethane	5.0	ND	ND	ND	ND	ND	NA	ND
Vinyl Chloride	5.0	ND	ND	ND	ND	ND	NA	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	NA	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
Benzene	5.0	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
Trichloroethene	5.0	ND	ND	**0.53 J**	**0.51 J**	**1.1**	NA	**2.6**
Toluene	5.0	**11**	**13**	**2.7**	**1.9**	**3.3**	NA	**3.8**
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
Tetrachloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
Ethyl benzene	5.0	ND	ND	**1.2**	**0.87**	**0.86**	NA	**1.2**
m,p-Xylene	5.0	ND	ND	**1.0**	**0.70**	ND	NA	**0.9**
o-xylene	5.0	ND	ND	ND	ND	ND	NA	ND
1,12,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	NA	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	NA	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	NA	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	NA	ND
trans-12,-Dichloroethene	5.0	ND	ND	ND	ND	ND	NA	ND
Naphthalene	5.0	ND	ND	ND	ND	ND	NA	ND
TPH as Gasoline	200	**140000*E**	**99000*E**	**5200*E**	**4200*E**	**78000*E**	NA	**9000*E**

ND = Not Detected
NA = Not Analyzed
B = Detected in the laboratory blank
J = Estimated Value
E= Exceeds upper calibration limit
*= Unknown Hydrocarbon reported as Gasoline

Uribe and Associates
Alameda Point
Alameda, CA
July 17-18, 2001

ANALYTE	Report Limit mg/cu.m	S14-DGS-SG03-1	S14-DGS-SG03-2	S14-DGS-SG03-3	S14-DGS-SG03-4	S14-DGS-SG03-5	S23-DGS-SG03-1
VOCs by 8260B							
Dilution Factor		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Chloromethane	5.0	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5.0	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	ND	ND	ND
Toluene	5.0	**3.6**	**4.4**	**4.2**	**3.3**	**4.1**	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND
Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND
Ethyl benzene	5.0	**0.68**	**0.78**	**0.80**	**0.76**	**0.80**	ND
m,p-Xylene	5.0	ND	**0.65**	**0.89**	**1.0**	**1.1**	ND
o-xylene	5.0	ND	ND	ND	ND	ND	ND
1,12,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND
trans-12,-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND
Naphthalene	5.0	**0.74 JB**	**0.72 JB**	**0.70 JB**	ND	ND	ND
TPH as Gasoline	200	**5100*E**	**4000*E**	**3900*E**	**4400*E**	**3400*E**	**190*E**

ND = Not Detected
NA = Not Analyzed
B = Detected in the laboratory blank
J = Estimated Value
E= Exceeds upper calibration limit
*= Unknown Hydrocarbon reported as Gasoline

Uribe and Associates
Alameda Point
Alameda, CA
July 17-18, 2001

ANALYTE	Report Limit mg/cu.m	S23-DGS-SG03-2	S23-DGS-SG03-3	S23-DGS-SG03-4	S23-DGS-SG03-5	S21-DGS-SG06-1	S21-DGS-SG06-2	S21-DGS-SG06-3
VOCs by 8260B								
Dilution Factor		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND
Toluene	5.0	**0.70**	**0.68**	**0.83**	**0.74**	**1.5**	**1.8**	**1.6**
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	5.0	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.0	ND	ND	**0.58**	**0.80**	ND	**0.66**	**0.84**
o-xylene	5.0	ND	ND	ND	ND	ND	ND	ND
1,12,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND
trans-12,-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	5.0	ND	ND	ND	ND	ND	ND	ND
TPH as Gasoline	200	**150*E**	**180*E**	**140*E**	**140*E**	**100*E**	**99*E**	**76*E**

ND = Not Detected
NA = Not Analyzed
B = Detected in the laboratory blank
J = Estimated Value
E= Exceeds upper calibration limit
*= Unknown Hydrocarbon reported as Gasoline

Uribe and Associates
Alameda Point
Alameda, CA
July 17-18, 2001

ANALYTE	Report Limit mg/cu.m	S21-DGS-SG06-4	S21-DGS-SG06-5
VOCs by 8260B			
Dilution Factor		**0.1**	**0.1**
Chloromethane	5.0	ND	ND
Vinyl Chloride	5.0	ND	ND
Chloroethane	5.0	ND	ND
1,1-Dichloroethene	5.0	ND	ND
1,1-Dichloroethane	5.0	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND
Benzene	5.0	ND	ND
1,2-Dichloroethane	5.0	ND	ND
Trichloroethene	5.0	ND	ND
Toluene	5.0	**1.1**	**1.7**
1,1,2-Trichloroethane	5.0	ND	ND
Tetrachloroethane	5.0	ND	ND
Ethyl benzene	5.0	ND	ND
m,p-Xylene	5.0	**1.0**	**1.4**
o-xylene	5.0	ND	ND
1,12,2-Tetrachloroethane	5.0	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND
trans-12,-Dichloroethene	5.0	ND	ND
Naphthalene	5.0	ND	ND
TPH as Gasoline	200	**86*E**	**71*E**

ND = Not Detected
NA = Not Analyzed
B = Detected in the laboratory blank
J = Estimated Value
E= Exceeds upper calibration limit
*= Unknown Hydrocarbon reported as Gasoline

SECTION 3.0

DATA RESULTS

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07170109.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/17/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S05-DGS-SG03-1
Lab Sample ID: UB0717-01
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	272.2	250	109%	50	150
1,2-Dichloroethane -d4	245.9	250	98%	50	150
Toluene-d8	214.2	250	86%	50	150
4-Bromofluorobenzene	422.4	250	169%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	170	0.5	**3.4**
cis-1,2-Dichloroethene	57	0.5	**1.2 J**
1,1,1-Trichloroethane	670	0.5	**13**
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	31	0.5	**0.62**
Toluene	87	0.5	**1.8**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	39	0.5	**0.78 JB**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

Note: No TPH results. Client requested for later samples.

B = Detected in laboratory blank
E = Exceeds upper calibration limit
** = Exceeds QC Limit

Signed John J. Villani
Severn Trent Laboratories OST Division 9/25/01

Reviewed Gordon Dlawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07170110.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/17/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S05-DGS-SG03-2
Lab Sample ID: UB0717-02
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	293.4	250	117%	50	150
1,2-Dichloroethane -d4	267.6	250	107%	50	150
Toluene-d8	217.7	250	87%	50	150
4-Bromofluorobenzene	403.6	250	161%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	360	0.5	**7.1**
cis-1,2-Dichloroethene	220	0.5	**4.5**
1,1,1-Trichloroethane	1500	0.5	**30. E**
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	280	0.5	**5.6**
Toluene	190	0.5	**3.8**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	59	0.5	**1.2**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	**0.75 JB**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
** = Exceeds QC Limit

Note: No TPH results. Client requested for later samples.

Signed Lisa J. Chesini 9/25/01

Reviewed gLB for D Lawver 9/25/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07170111.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/17/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S05-DGS-SG03-3
Lab Sample ID: UB0717-03
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	273.7	250	109%	50	150
1,2-Dichloroethane -d4	243.8	250	98%	50	150
Toluene-d8	240.2	250	96%	50	150
4-Bromofluorobenzene	372.9	250	149%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	280	0.5	**5.6**
cis-1,2-Dichloroethene	180	0.5	**3.6**
1,1,1-Trichloroethane	1200	0.5	**24 E**
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	290	0.5	**5.8**
Toluene	180	0.5	**3.7**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	78	0.5	**1.6**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	**0.73 JB**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit

Note: No TPH results. Client requested for later samples.

Signed [illegible] 9/25/01
Severn Trent Laboratories OST Division

Reviewed gcb for D Lawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07170112.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/17/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S05-DGS-SG03-4
Lab Sample ID: UB0717-04
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	306.5	250	123%	50	150
1,2-Dichloroethane -d4	275.7	250	110%	50	150
Toluene-d8	239.0	250	96%	50	150
4-Bromofluorobenzene	445.9	250	178%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	360	0.5	**7.2**
cis-1,2-Dichloroethene	230	0.5	**4.6**
1,1,1-Trichloroethane	1400	0.5	**29 E**
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	330	0.5	**6.6**
Toluene	160	0.5	**3.3**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	100	0.5	**2.1**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	**0.71 JB**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
** = Exceeds QC Limit

Note: No TPH results. Client requested for later samples.

Signed Lucy J. Clinton 9/25/01
Severn Trent Laboratories OST Division

Reviewed GLB for DLawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07170113.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/17/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S05-DGS-S04-5
Lab Sample ID: UB0717-05
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	223.4	250	89%	50	150
1,2-Dichloroethane -d4	203.5	250	81%	50	150
Toluene-d8	258.4	250	103%	50	150
4-Bromofluorobenzene	327.8	250	131%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	250	0.5	**5.0**
cis-1,2-Dichloroethene	140	0.5	**3.2**
1,1,1-Trichloroethane	1200	0.5	**24 E**
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	360	0.5	**7.2**
Toluene	160	0.5	**3.2**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	88	0.5	**1.8**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	**0.70 JB**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit

Note: No TPH results. Client requested for later samples.

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Reviewed [illegible] 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190118.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/19/01
Dilution Factor: 5
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S03-DGS-SG03-1
Lab Sample ID: UR0717-06
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	358.0	250	143%	50	150
1,2-Dichloroethane -d4	454.0	250	182%	50	150**
Toluene-d8	257.0	250	103%	50	150
4-Bromofluorobenzene	329.0	250	132%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	25	<2.5
Vinyl Chloride	<25	25	<2.5
Chloroethane	<25	25	<2.5
1,1-Dichloroethene	<25	25	<2.5
1,1-Dichloroethane	<25	25	<2.5
cis-1,2-Dichloroethene	<25	25	<2.5
1,1,1-Trichloroethane	<25	25	<2.5
Benzene	<25	25	<2.5
1,2-Dichloroethane	<25	25	<2.5
Trichloroethene	<25	25	<2.5
Toluene	<25	25	<2.5
1,1,2-Trichloroethane	<25	25	<2.5
Tetrachloroethene	<25	25	<2.5
Ethyl benzene	<25	25	<2.5
m,p-Xylene	<25	25	<2.5
o-Xylene	<25	25	<2.5
1,1,2,2-Tetrachloroethane	<25	25	<2.5
1,3-Dichlorobenzene	<25	25	<2.5
1,4-Dichlorobenzene	<25	25	<2.5
1,2-Dichlorobenzene	<25	25	<2.5
trans-1,2-Dichloroethene	<25	25	<2.5
Naphthalene	<25	25	<2.5
TPH as GASOLINE	32000	1000	32000

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
** Exceeds QC Limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

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SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190119.D
Instr. #: GC/MS #1
Date Coll: 8/17/01
Date Analyzed: 8/19/01
Dilution Factor: 5
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S03-DGS-SG03-2
Lab Sample ID: UR0717-07
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	376.0	250	150%	50	150
1,2-Dichloroethane -d4	440.0	250	176%	50	150**
Toluene-d8	228.0	250	91%	50	150
4-Bromofluorobenzene	402.0	250	161%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	25	<2.5
Vinyl Chloride	<25	25	<2.5
Chloroethane	<25	25	<2.5
1,1-Dichloroethene	<25	25	<2.5
1,1-Dichloroethane	<25	25	<2.5
cis-1,2-Dichloroethene	<25	25	<2.5
1,1,1-Trichloroethane	<25	25	<2.5
Benzene	<25	25	<2.5
1,2-Dichloroethane	<25	25	<2.5
Trichloroethene	<25	25	<2.5
Toluene	<25	25	<2.5
1,1,2-Trichloroethane	<25	25	<2.5
Tetrachloroethene	<25	25	<2.5
Ethyl benzene	<25	25	<2.5
m,p-Xylene	<25	25	<2.5
o-Xylene	<25	25	<2.5
1,1,2,2-Tetrachloroethane	<25	25	<2.5
1,3-Dichlorobenzene	<25	25	<2.5
1,4-Dichlorobenzene	<25	25	<2.5
1,2-Dichlorobenzene	<25	25	<2.5
trans-1,2-Dichloroethene	<25	25	<2.5
Naphthalene	<25	25	<2.5
TPH as GASOLINE	990	1000	990

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
** Exceeds QC Limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

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Reviewed [illegible] 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190120.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/19/01
Dilution Factor: 5
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S03-DGS-SG03-3
Lab Sample ID: UB1717-08
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	438.0	250	175%	50	150**
1,2-Dichloroethane -d4	526.0	250	210%	50	150**
Toluene-d8	231.0	250	92%	50	150
4-Bromofluorobenzene	422.0	250	169%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	25	<2.5
Vinyl Chloride	<25	25	<2.5
Chloroethane	<25	25	<2.5
1,1-Dichloroethene	<25	25	<2.5
1,1-Dichloroethane	<25	25	<2.5
cis-1,2-Dichloroethene	<25	25	<2.5
1,1,1-Trichloroethane	<25	25	<2.5
Benzene	<25	25	<2.5
1,2-Dichloroethane	<25	25	<2.5
Trichloroethene	<25	25	<2.5
Toluene	<25	25	<2.5
1,1,2-Trichloroethane	<25	25	<2.5
Tetrachloroethene	<25	25	<2.5
Ethyl benzene	<25	25	<2.5
m,p-Xylene	<25	25	<2.5
o-Xylene	<25	25	<2.5
1,1,2,2-Tetrachloroethane	<25	25	<2.5
1,3-Dichlorobenzene	<25	25	<2.5
1,4-Dichlorobenzene	<25	25	<2.5
1,2-Dichlorobenzene	<25	25	<2.5
trans-1,2-Dichloroethene	<25	25	<2.5
Naphthalene	<25	25	<2.5
TPH as GASOLINE	1700	1000	1700

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
** Exceeds QC Limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

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Reviewed GB for D Lawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190121.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/19/01
Dilution Factor: 1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S03-DGS-SG03-4
Lab Sample ID: UB0717-09
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	249.0	250	100%	50	150
1,2-Dichloroethane -d4	381.0	250	152%	50	150**
Toluene-d8	379.0	250	152%	50	150**
4-Bromofluorobenzene	181.0	250	72%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	5.0	<5.0
Vinyl Chloride	<25	5.0	<5.0
Chloroethane	<25	5.0	<5.0
1,1-Dichloroethene	<25	5.0	<5.0
1,1-Dichloroethane	<25	5.0	<5.0
cis-1,2-Dichloroethene	<25	5.0	<5.0
1,1,1-Trichloroethane	<25	5.0	<5.0
Benzene	<25	5.0	<5.0
1,2-Dichloroethane	<25	5.0	<5.0
Trichloroethene	<25	5.0	<5.0
Toluene	56	5.0	11
1,1,2-Trichloroethane	<25	5.0	<5.0
Tetrachloroethene	<25	5.0	<5.0
Ethyl benzene	<25	5.0	<5.0
m,p-Xylene	<25	5.0	<5.0
o-Xylene	<25	5.0	<5.0
1,1,2,2-Tetrachloroethane	<25	5.0	<5.0
1,3-Dichlorobenzene	<25	5.0	<5.0
1,4-Dichlorobenzene	<25	5.0	<5.0
1,2-Dichlorobenzene	<25	5.0	<5.0
trans-1,2-Dichloroethene	<25	5.0	<5.0
Naphthalene	<25	5.0	<5.0
TPH as GASOLINE	700000	200	140000*E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** Exceeds QC Limit

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Reviewed GB for D Lawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190122.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/19/01
Dilution Factor: 1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S03-DGS-SG03-5
Lab Sample ID: UB0717-10
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	262.0	250	105%	50	150
1,2-Dichloroethane -d4	372.0	250	149%	50	150**
Toluene-d8	406.0	250	162%	50	150**
4-Bromofluorobenzene	186.0	250	74%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	5.0	<5.0
Vinyl Chloride	<25	5.0	<5.0
Chloroethane	<25	5.0	<5.0
1,1-Dichloroethene	<25	5.0	<5.0
1,1-Dichloroethane	<25	5.0	<5.0
cis-1,2-Dichloroethene	<25	5.0	<5.0
1,1,1-Trichloroethane	<25	5.0	<5.0
Benzene	<25	5.0	<5.0
1,2-Dichloroethane	<25	5.0	<5.0
Trichloroethene	<25	5.0	<5.0
Toluene	64	5.0	13
1,1,2-Trichloroethane	<25	5.0	<5.0
Tetrachloroethene	<25	5.0	<5.0
Ethyl benzene	<25	5.0	<5.0
m,p-Xylene	<25	5.0	<5.0
o-Xylene	<25	5.0	<5.0
1,1,2,2-Tetrachloroethane	<25	5.0	<5.0
1,3-Dichlorobenzene	<25	5.0	<5.0
1,4-Dichlorobenzene	<25	5.0	<5.0
1,2-Dichlorobenzene	<25	5.0	<5.0
trans-1,2-Dichloroethene	<25	5.0	<5.0
Naphthalene	<25	5.0	<5.0
TPH as GASOLINE	490000	200	99000*E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** Exceeds QC Limit

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SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07170117.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/17/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S04-DGS-SG03-1
Lab Sample ID: UB0717-11
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	228.1	250	91%	50	150
1,2-Dichloroethane -d4	256.7	250	103%	50	150
Toluene-d8	338.1	250	135%	50	150
4-Bromofluorobenzene	254.6	250	102%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	27	0.5	**0.53 J**
Toluene	130	0.5	**2.7**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	59	0.5	**1.2**
m,p-Xylene	50	0.5	**1.0**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	260000	20	**5200 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

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Severn Trent Laboratories OST Division

Reviewed [illegible] 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180123.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S04-DGS-SG03-2
Lab Sample ID: UB0717-12
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	263.5	250	105%	50	150
1,2-Dichloroethane -d4	366.7	250	147%	50	150
Toluene-d8	326.2	250	130%	50	150**
4-Bromofluorobenzene	206.2	250	82%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	26	0.5	**0.51 J**
Toluene	97	0.5	**1.9**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	44	0.5	**0.87**
m,p-Xylene	35	0.5	**0.70**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	210000	20	**4200*E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

Signed Luis S Chiesa 9/25/01
Severn Trent Laboratories OST Division

Reviewed Gebon D Lawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180124.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 310717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S04-DGS-SG03-3
Lab Sample ID: UB0717-13
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	355.1	250	142%	50	150
1,2-Dichloroethane -d4	437.5	250	175%	50	150**
Toluene-d8	404.1	250	162%	50	150**
4-Bromofluorobenzene	202.8	250	81%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	56	0.5	**1.1**
Toluene	160	0.5	**3.3**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	43	0.5	**0.86**
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	3900000	20	**78000*E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)
** = Exceeds QC Limit

Signed Shelli L. Chi 9/12/01

Reviewed D Sawyer 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: NA
Instr. #: NA
Date Coll: 7/17/01
Date Analyzed: NA
Dilution Factor: NA
Method: NA

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S04-DGS-SG04-4
Lab Sample ID: UB0717-14 Sample Not Analyzed.
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	NA	250	#VALUE!	50	150
1,2-Dichloroethane -d4	NA	250	#VALUE!	50	150
Toluene-d8	NA	250	#VALUE!	50	150
4-Bromofluorobenzene	NA	250	#VALUE!	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	**
Vinyl Chloride	<25	0.5	
Chloroethane	<25	0.5	
1,1-Dichloroethene	<25	0.5	
1,1-Dichloroethane	<25	0.5	
cis-1,2-Dichloroethene	<25	0.5	
1,1,1-Trichloroethane	<25	0.5	
Benzene	<25	0.5	
1,2-Dichloroethane	<25	0.5	
Trichloroethene	<25	0.5	
Toluene	<25	0.5	
1,1,2-Trichloroethane	<25	0.5	
Tetrachloroethene	<25	0.5	
Ethyl benzene	<25	0.5	
m,p-Xylene	<25	0.5	
o-Xylene	<25	0.5	
1,1,2,2-Tetrachloroethane	<25	0.5	
1,3-Dichlorobenzene	<25	0.5	
1,4-Dichlorobenzene	<25	0.5	
1,2-Dichlorobenzene	<25	0.5	
trans-1,2-Dichloroethene	<25	0.5	
Naphthalene	<25	0.5	
TPH as GASOLINE	<1000	20	

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

**=Sample not analyzed. Hole in Tedlar Bag.

Signed Shelli L. Chu 9/12/01

Reviewed D Sauer 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190123.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S04-DGS-SG03-5
Lab Sample ID: UB0717-15
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane		250	0%	50	150
1,2-Dichloroethane -d4		250	0%	50	150**
Toluene-d8		250	0%	50	150
4-Bromofluorobenzene		250	0%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	130	0.5	2.6
Toluene	188	0.5	3.8
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	60	0.5	1.2
m,p-Xylene	44	0.5	0.9
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	450000	20	9000*E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)
** Exceeds QC Limit

Signed Luis J. Clisia 9/25/01
Severn Trent Laboratories OST Division

Reviewed George D. Lawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180108.d
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S14-DGS-SG03-1
Lab Sample ID: UB0717-16
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	269.1	250	108%	50	150
1,2-Dichloroethane -d4	321.2	250	128%	50	150
Toluene-d8	386.5	250	155%	50	150**
4-Bromofluorobenzene	207.3	250	83%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	180	0.5	**3.6**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	34	0.5	**0.68**
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	37	0.5	**0.74 JB**
TPH as GASOLINE	250000	20	**5100 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** Exceeds QC Limit

Signed [illegible] 9/25/01
Severn Trent Laboratories OST Division

Reviewed [illegible] 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180109.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S14-DGS-SG03-2
Lab Sample ID: UB0717-17
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	258.5	250	103%	50	150
1,2-Dichloroethane -d4	299.2	250	120%	50	150
Toluene-d8	368.0	250	147%	50	150
4-Bromofluorobenzene	218.9	250	88%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	220	0.5	**4.4**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	39	0.5	**0.78**
m,p-Xylene	33	0.5	**0.65**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	**0.72 JB**
TPH as GASOLINE	200000	20	**4000 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** Exceeds QC Limit

Signed Lisa J. Chisini 9/25/01
Severn Trent Laboratories OST Division

Reviewed Gordon D Lawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180110.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S14-DGS-SG03-3
Lab Sample ID: UB0717-18
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	268.7	250	107%	50	150
1,2-Dichloroethane -d4	325.4	250	130%	50	150
Toluene-d8	310.5	250	124%	50	150
4-Bromofluorobenzene	227.1	250	91%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	210	0.5	**4.2**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	40	0.5	**0.80**
m,p-Xylene	45	0.5	**0.89**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	**0.70 JB**
TPH as GASOLINE	190000	20	**3900 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

Signed [illegible] 9/25/01
Severn Trent Laboratories OST Division

Reviewed GB for DLawver 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180121.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S14-DGS-SG03-4
Lab Sample ID: UB0717-19
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	296.6	250	119%	50	150
1,2-Dichloroethane -d4	415.6	250	166%	50	150**
Toluene-d8	308.1	250	123%	50	150
4-Bromofluorobenzene	267.6	250	107%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	170	0.5	3.3
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	38	0.5	0.76
m,p-Xylene	50	0.5	1.0
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	220000	20	4400 * E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed Shelli L. Chu 9/12/01

Reviewed [illegible] 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180122.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 310717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S14-DGS-SG03-5
Lab Sample ID: UB0717-20
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	257.9	250	103%	50	150
1,2-Dichloroethane -d4	338.8	250	136%	50	150
Toluene-d8	371.3	250	149%	50	150
4-Bromofluorobenzene	204.9	250	82%	50	150

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	210	0.5	**4.1**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	41	0.5	**0.80**
m,p-Xylene	54	0.5	**1.1**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	170000	20	**3400 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed Shelli L. Chen 9/12/01

Reviewed D Sauer 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190110.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S23-DGS-SG03-1
Lab Sample ID: UB0718-01
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	482.9	250	193%	50	150**
1,2-Dichloroethane -d4	628.2	250	251%	50	150**
Toluene-d8	195.5	250	78%	50	150
4-Bromofluorobenzene	473.5	250	189%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	<25	0.5	<0.5
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	9200	20	190 * E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed Shelly L. Chen 9/12/01

Reviewed [illegible] 09/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190111.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 310717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S23-DGS-SG03-2
Lab Sample ID: UB0718-02
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	332.8	250	133%	50	150
1,2-Dichloroethane -d4	460.2	250	184%	50	150**
Toluene-d8	189.5	250	76%	50	150
4-Bromofluorobenzene	398.7	250	159%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	36	0.5	**0.70**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	7600	20	**150 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed 9/12/01

Reviewed 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190112.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S23-DGS-SG03-3
Lab Sample ID: UB0718-03
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	415.6	250	166%	50	150**
1,2-Dichloroethane -d4	461.5	250	185%	50	150**
Toluene-d8	159.6	250	64%	50	150
4-Bromofluorobenzene	431.2	250	172%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	34	0.5	**0.68**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	8000	20	**180 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed 9/12/01

Reviewed 09/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190113.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S23-DGS-SG03-4
Lab Sample ID: UB0718-04
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	357.1	250	143%	50	150
1,2-Dichloroethane -d4	409.6	250	164%	50	150**
Toluene-d8	190.6	250	76%	50	150
4-Bromofluorobenzene	400.1	250	160%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	42	0.5	**0.83**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	29	0.5	**0.58**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	6900	20	**140 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed Shelli L. Ch 9/12/01

Reviewed D Sawyer 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190114.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S23-DGS-SG03-5
Lab Sample ID: UB0718-05
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	453.9	250	182%	50	150**
1,2-Dichloroethane -d4	513.3	250	205%	50	150**
Toluene-d8	185.8	250	74%	50	150
4-Bromofluorobenzene	515.3	250	206%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	37	0.5	**0.74**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	40	0.5	**0.80**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	7000	20	**140 * E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed 9/12/01

Reviewed 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180116.d
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S21-DGS-SG06-1
Lab Sample ID: UB0718-06
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	366.7	250	147%	50	150
1,2-Dichloroethane -d4	402.2	250	161%	50	150**
Toluene-d8	212.3	250	85%	50	150
4-Bromofluorobenzene	381.9	250	153%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	73	0.5	1.5
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	<25	0.5	<0.5
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	5100	20	100*E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)
** Exceeds QC Limit

Signed [illegible] 9/25/01
Severn Trent Laboratories OST Division

Reviewed [illegible] 9/25/01

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180117.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 310717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S21-DGS-SG06-2
Lab Sample ID: UB0718-07
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	353.1	250	141%	50	150
1,2-Dichloroethane -d4	404.5	250	162%	50	150**
Toluene-d8	205.7	250	82%	50	150
4-Bromofluorobenzene	399.5	250	160%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	88	0.5	**1.8**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	33	0.5	**0.66**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	4900	20	**99 *E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed 9/12/01

Reviewed 9/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180118.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S21-DGS-SG06-3
Lab Sample ID: UB0718-08
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	382.9	250	153%	50	150**
1,2-Dichloroethane -d4	424.9	250	170%	50	150**
Toluene-d8	205.9	250	82%	50	150
4-Bromofluorobenzene	405.2	250	162%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	78	0.5	**1.6**
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	42	0.5	**0.84**
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	3800	20	**76 *E**

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed 9/12/01

Reviewed 09/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07190109.D
Instr. #: GC/MS #1
Date Coll: 7/17/01
Date Analyzed: 7/19/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S21-DGS-SG06-4
Lab Sample ID: UB0718-09RR
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	451.0	250	180%	50	150**
1,2-Dichloroethane -d4	602.1	250	241%	50	150**
Toluene-d8	200.8	250	80%	50	150
4-Bromofluorobenzene	482.2	250	193%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	56	0.5	1.1
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	49	0.5	1.0
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	4300	20	86*E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed DJ for SC 09/12/01

Reviewed [signature] 09/12/01

Severn Trent Laboratories OST Division

SEVERN TRENT SERVICES

Field Report

Matrix: Soil-Gas
Analyst: MG
File#: 07180120.D
Instr. #: GC/MS #1
Date Coll: 7/18/01
Date Analyzed: 7/18/01
Dilution Factor: 0.1
Method: 3I0717A.M

Project: Investigations at Alameda Pt.
Client : Uribe and Associates
Client Sample ID: S21-DGS-SG06-5
Lab Sample ID: UB0718-10
W.O. #: NA

Surrogate Recovery

COMPOUND	ng	ng	% Recovery	Low CL	High CL
Dibromofluoromethane	359.7	250	144%	50	150
1,2-Dichloroethane -d4	401.3	250	161%	50	150**
Toluene-d8	209.6	250	84%	50	150
4-Bromofluorobenzene	401.5	250	161%	50	150**

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	ng	Reporting Limit (mg.m^3)	Result (mg.m^3)
Chloromethane	<25	0.5	<0.5
Vinyl Chloride	<25	0.5	<0.5
Chloroethane	<25	0.5	<0.5
1,1-Dichloroethene	<25	0.5	<0.5
1,1-Dichloroethane	<25	0.5	<0.5
cis-1,2-Dichloroethene	<25	0.5	<0.5
1,1,1-Trichloroethane	<25	0.5	<0.5
Benzene	<25	0.5	<0.5
1,2-Dichloroethane	<25	0.5	<0.5
Trichloroethene	<25	0.5	<0.5
Toluene	84	0.5	1.7
1,1,2-Trichloroethane	<25	0.5	<0.5
Tetrachloroethene	<25	0.5	<0.5
Ethyl benzene	<25	0.5	<0.5
m,p-Xylene	71	0.5	1.4
o-Xylene	<25	0.5	<0.5
1,1,2,2-Tetrachloroethane	<25	0.5	<0.5
1,3-Dichlorobenzene	<25	0.5	<0.5
1,4-Dichlorobenzene	<25	0.5	<0.5
1,2-Dichlorobenzene	<25	0.5	<0.5
trans-1,2-Dichloroethene	<25	0.5	<0.5
Naphthalene	<25	0.5	<0.5
TPH as GASOLINE	3500	20	71 * E

Notes :
Volatile Organic Compounds analyzed using EPA method 8260B
Field report is preliminary until reviewed and signed

B = Detected in laboratory blank
E = Exceeds upper calibration limit
* = Unknown Hydrocarbon reported as Gasoline (C6-C12)

** = Exceeds QC Limit

Signed Shelli Chin 9/12/01

Reviewed D Sawyer 09/12/01

Severn Trent Laboratories OST Division

SECTION 4.0

QC RESULTS

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07170107.D
Instr. #: GC/MS #1
Date Coll: 7/17/2001
Date Analyzed: 7/17/2001 12:21
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/17/01
GC/MS Sample ID: Blank 7/17/01
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	**10**

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	108%
1,2-Dichloroethane-d4	98%
Toluene-d8	115%
4-Bromofluoromethane	155*%

* = Exceeds QC Limit

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Project No.: Investigations at Alameda Pt.

Lab File ID: 07170108.D Calibration Date: 7/17/01 Time: 1251

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Chloromethane	0.453	0.058		8.7	20.0
Vinyl Chloride	0.281	0.039		8.6	20.0
Chloroethane	0.177	0.023		8.7	20.0
1,1-Dichloroethene	0.435	0.057		8.7	20.0
* 1,1-Dichloroethane	0.935	0.116	0.100	8.8	20.0
cis-1,2-Dichloroethene	0.551	0.068		8.8	20.0
1,1,1-Trichloroethane	0.590	0.073		8.8	20.0
Benzene	1.295	0.160		8.8	20.0
1,2-Dichloroethane	0.634	0.073		8.2	20.0
Trichloroethene	0.428	0.055		8.7	20.0
Toluene	0.406	0.050		8.8	20.0
1,1,2-Trichloroethane	0.305	0.033		8.9	20.0
Tetrachloroethene	0.531	0.061		8.9	20.0
Ethylbenzene	1.687	0.331		8.0	20.0
m&p-Xylene	0.779	0.150		8.1	20.0
o-Xylene	0.808	0.156		8.1	20.0
** 1,1,2,2-Tetrachloroethane	1.417	0.113	0.300	9.2	20.0
1,3-Dichlorobenzene	1.618	0.202		8.8	20.0
1,4-Dichlorobenzene	1.820	0.233		8.7	20.0
1,2-Dichlorobenzene	1.733	0.200		8.9	20.0
trans-1,2-Dichloroethene	0.512	0.066		8.7	20.0
Naphthalene	4.333	0.353		9.2	20.0

*Method criteria of min RF 0.10.
**Method criteria of min RF 0.30.
All other compounds - Method criteria of %Dev <20%.
= Outside QC Limits

VOLATILE LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE RECOVERY

Lab Name: SEVERN TRENT LABORATORIES Project: Investigations at Alameda Pt.

Lab File ID(s): 07170119.D Date Analyzed: 7/17/01

LCS - Sample No.: LCS071701

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		QC. LIMITS REC.
Chloromethane	250	135.73	54	*	(70-130)
Vinyl Chloride	250	163.9	66	*	(70-130)
Chloroethane	250	135.67	54	*	(70-130)
1,1-Dichloroethene	250	136.83	55	*	(70-130)
1,1-Dichloroethane	250	129.95	52	*	(70-130)
cis-1,2-Dichloroethene	250	139.16	56	*	(70-130)
1,1,1-Trichloroethane	250	171.06	68	*	(70-130)
Benzene	250	178.7	71		(70-130)
1,2-Dichloroethane	250	163.17	65	*	(70-130)
Trichloroethene	250	174.45	70		(70-130)
Toluene	250	226.59	91		(70-130)
1,1,2-Trichloroethane	250	185.57	74		(70-130)
Tetrachloroethene	250	205.5	82		(70-130)
Ethylbenzene	250	170.93	68	*	(70-130)
m&p-Xylene	500	282.01	56	*	(70-130)
o-Xylene	250	143.64	57	*	(70-130)
1,1,2,2-Tetrachloroethane	250	248.41	99		(70-130)
1,3-Dichlorobenzene	250	193.49	77		(70-130)
1,4-Dichlorobenzene	250	222.7	89		(70-130)
1,2-Dichlorobenzene	250	194.01	78		(70-130)
trans-1,2-Dichloroethene	250	142.84	57	*	(70-130)
Naphthalene	250	145.5	58	*	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 13 out of 22 outside limits

Comments:

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Project No.: Investigations at Alameda Pt.

Lab File ID: 07180105.D Calibration Date: 7/18/01 Time: 0856

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX %D
Chloromethane	0.435	0.389		10.6	20.0
Vinyl Chloride	0.291	0.298		-2.5	20.0
Chloroethane	0.173	0.149		14.0	20.0
1,1-Dichloroethene	0.436	0.338		22.5#	20.0
* 1,1-Dichloroethane	0.924	0.736	0.100	20.3#	20.0
cis-1,2-Dichloroethene	0.545	0.445		18.4	20.0
1,1,1-Trichloroethane	0.583	0.502		13.9	20.0
Benzene	1.324	1.091		17.6	20.0
1,2-Dichloroethane	0.621	0.570		8.2	20.0
Trichloroethene	0.424	0.367		13.5	20.0
Toluene	0.408	0.299		26.9#	20.0
1,1,2-Trichloroethane	0.300	0.252		15.9	20.0
Tetrachloroethene	0.541	0.523		3.4	20.0
Ethylbenzene	1.798	1.083		39.8#	20.0
m&p-Xylene	0.812	0.505		37.9#	20.0
o-Xylene	0.850	0.560		34.1#	20.0
** 1,1,2,2-Tetrachloroethane	1.338	1.019	0.300	23.9#	20.0
1,3-Dichlorobenzene	1.641	1.311		20.1#	20.0
1,4-Dichlorobenzene	1.841	1.526		17.1	20.0
1,2-Dichlorobenzene	1.762	1.480		16.0	20.0
trans-1,2-Dichloroethene	0.508	0.402		20.8#	20.0
Naphthalene	4.225	4.172		1.2	20.0

*Method criteria of min RF 0.10.
**Method criteria of min RF 0.30.
All other compounds - Method criteria of %Dev <20%.
= Outside QC Limits

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07180107.D
Instr. #: GC/MS #1
Date Coll: 7/18/2001
Date Analyzed: 7/18/2001 10:06
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/18/01
GC/MS Sample ID: Blank 7/18/01
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	7.7

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	121%
1,2-Dichloroethane-d4	124%
Toluene-d8	90%
4-Bromofluoromethane	154**%

* = Exceeds QC Limit

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07180111.D
Instr. #: GC/MS #1
Date Coll: 7/18/2001
Date Analyzed: 7/18/2001 12:06
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/18/01 #2
GC/MS Sample ID: Blank 7/18/01 #2
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	ND

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	107%
1,2-Dichloroethane-d4	109%
Toluene-d8	126%
4-Bromofluoromethane	123%

VOLATILE LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE RECOVERY

Lab Name: SEVERN TRENT LABORATORIES Project: Investigations at Alameda Pt.

Lab File ID(s): 07180112.D Date Analyzed: 7/18/01

LCS - Sample No.: LCS071801

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		QC. LIMITS REC.
Chloromethane	250	202.79	81		(70-130)
Vinyl Chloride	250	266.84	107		(70-130)
Chloroethane	250	317.09	127		(70-130)
1,1-Dichloroethene	250	236.05	94		(70-130)
1,1-Dichloroethane	250	193.74	77		(70-130)
cis-1,2-Dichloroethene	250	214.6	86		(70-130)
1,1,1-Trichloroethane	250	272.12	109		(70-130)
Benzene	250	175.14	70		(70-130)
1,2-Dichloroethane	250	278.87	112		(70-130)
Trichloroethene	250	230.78	92		(70-130)
Toluene	250	206.74	83		(70-130)
1,1,2-Trichloroethane	250	182.79	73		(70-130)
Tetrachloroethene	250	256.7	103		(70-130)
Ethylbenzene	250	142.58	57	*	(70-130)
m&p-Xylene	500	330.62	66	*	(70-130)
o-Xylene	250	166.78	67	*	(70-130)
1,1,2,2-Tetrachloroethane	250	229.21	92		(70-130)
1,3-Dichlorobenzene	250	198.44	79		(70-130)
1,4-Dichlorobenzene	250	199.21	80		(70-130)
1,2-Dichlorobenzene	250	203.05	81		(70-130)
trans-1,2-Dichloroethene	250	217.92	87		(70-130)
Naphthalene	250	204.65	82		(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 3 out of 22 outside limits

Comments:

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07180115.D
Instr. #: GC/MS #1
Date Coll: 7/18/2001
Date Analyzed: 7/18/2001 14:06
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/18/01 #3
GC/MS Sample ID: Blank 7/18/01 #3
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	**7.0**

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	131%
1,2-Dichloroethane-d4	141%
Toluene-d8	100%
4-Bromofluoromethane	148%

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07190103.D
Instr. #: GC/MS #1
Date Coll: 7/19/2001
Date Analyzed: 7/19/2001 8:11
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/19/01
GC/MS Sample ID: Blank 7/19/01
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	ND

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	146%
1,2-Dichloroethane-d4	160*%
Toluene-d8	85%
4-Bromofluoromethane	149%

*Exceeds QC Limit

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Project No.: Investigations at Alameda Pt.

Lab File ID: 07190106.D Calibration Date: 7/19/01 Time: 0923

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX %D
Chloromethane	0.453	0.354		21.9#	20.0
Vinyl Chloride	0.281	0.346		-23.1#	20.0
Chloroethane	0.177	0.192		-8.7	20.0
1,1-Dichloroethene	0.435	0.267		38.7#	20.0
* 1,1-Dichloroethane	0.935	0.777	0.100	16.9	20.0
cis-1,2-Dichloroethene	0.551	0.471		14.5	20.0
1,1,1-Trichloroethane	0.590	0.737		-24.9#	20.0
Benzene	1.295	0.858		33.7#	20.0
1,2-Dichloroethane	0.634	0.886		-39.7#	20.0
Trichloroethene	0.428	0.364		15.0	20.0
Toluene	0.406	0.299		26.3#	20.0
1,1,2-Trichloroethane	0.305	0.215		29.5#	20.0
Tetrachloroethene	0.531	0.575		-8.3	20.0
Ethylbenzene	1.687	0.936		44.5#	20.0
m&p-Xylene	0.779	0.466		40.1#	20.0
o-Xylene	0.808	0.519		35.7#	20.0
** 1,1,2,2-Tetrachloroethane	0.728	0.710	0.300	2.5	20.0
1,3-Dichlorobenzene	1.618	1.310		19.0	20.0
1,4-Dichlorobenzene	1.820	1.455		20.1#	20.0
1,2-Dichlorobenzene	1.733	1.501		13.4	20.0
trans-1,2-Dichloroethene	0.512	0.433		15.4	20.0
Naphthalene	4.333	3.417		21.1#	20.0

*Method criteria of min RF 0.10.
**Method criteria of min RF 0.30.
All other compounds - Method criteria of %Dev <20%.
= Outside QC Limits

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07190107.D
Instr. #: GC/MS #1
Date Coll: 7/19/2001
Date Analyzed: 7/19/2001 9:50
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/19/01 #2
GC/MS Sample ID: Blank 7/19/01 #2
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	ND

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	172*%
1,2-Dichloroethane-d4	204*%
Toluene-d8	90%
4-Bromofluoromethane	182*%

*Exceeds QC Limit

VOLATILE LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE RECOVERY

Lab Name: SEVERN TRENT LABORATORIES Project: Investigations at Alameda Pt.

Lab File ID(s): 07190115.D Date Analyzed: 7/19/01

LCS - Sample No.: LCS071901

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC		QC. LIMITS REC.
Chloromethane	250	135.21	54	*	(70-130)
Vinyl Chloride	250	114.73	46	*	(70-130)
Chloroethane	250	253.87	102		(70-130)
1,1-Dichloroethene	250	208.98	84		(70-130)
1,1-Dichloroethane	250	98.42	39	*	(70-130)
cis-1,2-Dichloroethene	250	203.23	81		(70-130)
1,1,1-Trichloroethane	250	310.51	124		(70-130)
Benzene	250	151.15	60	*	(70-130)
1,2-Dichloroethane	250	316.45	127		(70-130)
Trichloroethene	250	205.83	82		(70-130)
Toluene	250	152.93	61	*	(70-130)
1,1,2-Trichloroethane	250	156.49	63	*	(70-130)
Tetrachloroethene	250	291.16	116		(70-130)
Ethylbenzene	250	123.88	50	*	(70-130)
m&p-Xylene	500	297.7	60	*	(70-130)
o-Xylene	250	158.27	63	*	(70-130)
1,1,2,2-Tetrachloroethane	250	91.72	37	*	(70-130)
1,3-Dichlorobenzene	250	187.24	75		(70-130)
1,4-Dichlorobenzene	250	194.4	78		(70-130)
1,2-Dichlorobenzene	250	194.42	78		(70-130)
trans-1,2-Dichloroethene	250	208.27	83		(70-130)
Naphthalene	250	157.05	63	*	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 11 out of 22 outside limits

Comments:

PROJECT : Investigations at Alameda Pt.

CLIENT: Uribe and Associates

Matrix: WATER
Analyst: MG
File #: 07190117.D
Instr. #: GC/MS #1
Date Coll: 7/19/2001
Date Analyzed: 7/19/2001 14:46
Dilution Factor: 1
Method: 3I0717A.M

Sample ID: Blank 7/19/01 #3
GC/MS Sample ID: Blank 7/19/01 #3
W.O. #: NA

RESULTS:

VOLATILE ORGANICS BY GC/MS EPA Method 8260B

COMPOUND	DET. LIMIT ug/L	RESULT ug/L
Chloromethane	5.0	ND
Vinyl Chloride	5.0	ND
Chloroethane	5.0	ND
1,1-Dichloroethene	5.0	ND
1,1-Dichloroethane	5.0	ND
cis-1,2-Dichloroethene	5.0	ND
1,1,1-Trichloroethane	5.0	ND
Benzene	5.0	ND
1,2-Dichloroethane	5.0	ND
Trichloroethene	5.0	ND
Toluene	5.0	ND
1,1,2-Trichloroethane	5.0	ND
Tetrachloroethene	5.0	ND
Ethylbenzene	5.0	ND
m&p-Xylene	5.0	ND
o-Xylene	5.0	ND
1,1,2,2-Tetrachloroethane	5.0	ND
1,3-Dichlorobenzene	5.0	ND
1,4-Dichlorobenzene	5.0	ND
1,2-Dichlorobenzene	5.0	ND
trans-1,2-Dichloroethene	5.0	ND
Naphthalene	5.0	ND

Notes:
Volatile Organic Compounds analyzed using EPA method 8260B

ND = Not Detected
NA = Not Analyzed

J = Detected below the minimum quantitation limit
B = Detected in laboratory blank
E = Exceeds upper calibration limit

Comments:

Surrogate Recovery:	
Dibromofluoromethane	143%
1,2-Dichloroethane-d4	166*%
Toluene-d8	123%
4-Bromofluoromethane	134%

*Exceeds QC Limit

SECTION 5.0

CHAIN-OF-CUSTODY FORMS

CHAIN OF CUSTODY RECORD

Tetra Tech EM Inc.

10670 White Rock Road, Suite 100
Rancho Cordova, CA 95670
(916) 852-8300 FAX (916) 852-8307

DATE: 7/17/01
CHAIN OF CUSTODY NUMBER: № 4746
LABORATORY NUMBER:
PAGE 1 OF 1

PROJECT NAME: OU-1/2 ALAMEDA	PROJECT MANAGER: JOHN SWANSON
PROJECT NUMBER: G0069 3.5 Bolo	TELEPHONE NUMBER: —
PROJECT LOCATION: ALAMEDA PT	DESTINATION LABORATORY: MOBILE LAB (STL)
SAMPLER(S): MARK CHUCKSHANK	ADDRESS:
SAMPLER SIGNATURE(S): [signature]	CITY STATE ZIP:
SITE CONTACT/ TELEPHONE NUMBER: GARY THOMAS	LABORATORY TELEPHONE NUMBER:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE	TIME	MATRIX TYPE	NO./TYPE OF CONTAINERS	TURN AROUND TIME	REMARKS (GRAB, COMPOSITE, ETC.)
S05-DGS-SG03-1	7/17	1159	SG	1-TEDLAR BAG		
S05-DGS-SG03-2	"	1204	SG	"		
S05-DGS-SG03-3	"	1209	SG	"		
S05-DGS-SG03-4	"	1215	SG	"		
S05-DGS-SG03-5	"	1225	SG	"		

SHIPPED VIA:
AIRBILL #:

SPECIAL INSTRUCTIONS:

RELINQUISHED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME
[signature]	U&A	7/17	1230	[signature]	STL On-site	7/17	1230
				RECEIVED AT LAB BY (PRINT AND SIGN):			

DISTRIBUTION: WHITE = LABORATORY YELLOW = PROJECT MANAGER PINK = FILE

CHAIN OF CUSTODY RECORD

Tetra Tech EM Inc.

10670 White Rock Road, Suite 100
Rancho Cordova, CA 95670
(916) 852-8300 FAX (916) 852-8307

DATE: 7/17/01

CHAIN OF CUSTODY NUMBER: № 4747

LABORATORY NUMBER:

PAGE 1 OF 1

PROJECT NAME: OU1-2 ALAMEDA PT	PROJECT MANAGER: JOAN SWANSON
PROJECT NUMBER: G0069 385 B010103	TELEPHONE NUMBER:
PROJECT LOCATION: ALAMEDA PT	DESTINATION LABORATORY: MOBILE LAB (STL)
SAMPLER(S): MARK CRUICKSHANK	ADDRESS:
SAMPLER SIGNATURE(S): MAC	CITY STATE ZIP:
SITE CONTACT/ TELEPHONE NUMBER: GARY THOMAS	LABORATORY TELEPHONE NUMBER:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE	TIME	MATRIX TYPE	NO./TYPE OF CONTAINERS	TURN AROUND TIME	REMARKS (GRAB, COMPOSITE, ETC.)
S03-DUS-SU03-1	7/17	1307	SG	1-TEDLAR BAG		
S03-DUS-SU03-2	"	1312	"	"		
S03-DUS-SU03-3	"	1317	"	"		
S03-DUS-SU03-4	"	1322	"	"		
S03-DUS-SU03-5	"	1327	"	"		

SHIPPED VIA:

AIRBILL #:

SPECIAL INSTRUCTIONS:

RELINQUISHED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME
Gary Thomas	Gary Thomas/U&A	7/17/01		M Gilchrist	M Gilchrist/STL	7/17	13:27
				RECEIVED AT LAB BY (PRINT AND SIGN):			

DISTRIBUTION: WHITE = LABORATORY YELLOW = PROJECT MANAGER PINK = FILE

CHAIN OF CUSTODY RECORD

Tetra Tech EM Inc.

10670 White Rock Road, Suite 100
Rancho Cordova, CA 95670
(916) 852-8300 FAX (916) 852-8307

DATE: 7/17/01

CHAIN OF CUSTODY NUMBER: № 4748

LABORATORY NUMBER:

PAGE 1 OF 1

PROJECT NAME: OU1-2 ALAMEDA PT

PROJECT MANAGER: JOHN SWANSON

PROJECT NUMBER: G0069 385 B010304

TELEPHONE NUMBER:

PROJECT LOCATION: ALAMEDA PT

DESTINATION LABORATORY: MOBILE LAB (STL)

SAMPLER(S): MARK CRUICKSHANK

ADDRESS:

SAMPLER SIGNATURE(S): MC

CITY STATE ZIP:

SITE CONTACT/ TELEPHONE NUMBER: GARY THOMAS

LABORATORY TELEPHONE NUMBER:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE	TIME	MATRIX TYPE	NO/TYPE OF CONTAINERS	TURN AROUND TIME	REMARKS (GRAB, COMPOSITE, ETC.)
S04-D05-SG03-1	7/17	1406	SG	1-TEDLAR BAG		
S04-D05-SG03-2	"	1409	"	"		
S04-D05-SG03-3	"	1414	"	"		
S04-D05-SG03-4	"	1419	"	"		
S04-D05-SG03-5	"	1424	"	"		

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AIRBILL #:

SPECIAL INSTRUCTIONS:

RELINQUISHED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME
Gary Thomas	Gary Thomas/U&A	7/17/01		M Gilchrist	M Gilchrist/STL	7/17	1424
				RECEIVED AT LAB BY (PRINT AND SIGN):			

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CHAIN OF CUSTODY RECORD

Tetra Tech EM Inc.

10670 White Rock Road, Suite 100
Rancho Cordova, CA 95670
(916) 852-8300 FAX (916) 852-0397

DATE: 7/17/01
CHAIN OF CUSTODY NO: № 4749
LABORATORY NUMBER:
PAGE 1 OF 1

PROJECT NAME: OU 1-2 DGS, ALAMEDA PT	PROJECT MANAGER: JOHN SWANSON
PROJECT NUMBER: G0069 385 B0103	TELEPHONE NUMBER:
PROJECT LOCATION: ALAMEDA POINT	DESTINATION LABORATORY: MOBILE LAB (STL)
SAMPLER(S): MARK CRUICKSHANK	ADDRESS:
SAMPLER SIGNATURE(S): MC	CITY STATE ZIP:
SITE CONTACT/ TELEPHONE NUMBER: GARY THOMAS	LABORATORY TELEPHONE NUMBER:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE	TIME	MATRIX TYPE	NO./TYPE OF CONTAINERS	TURN AROUND TIME	REMARKS (GRAB, COMPOSITE, ETC.)
S14-DGS-SG03-1	7/17	1515	SG	1-TEDLAR BAG		
S14-DGS-SG03-2	"	1520	"	"		
S14-DGS-SG03-3	"	1525	"	"		
S14-DGS-SG03-4	"	1530	"	"		
S14-DGS-SG03-5	"	1535	"	"		

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AIRBILL #:

SPECIAL INSTRUCTIONS:

RELINQUISHED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME
[signature]	Gary Thomas/U&A	7/17/01		M. Gilchrist	M. Gilchrist/STL	7/17	1535
				RECEIVED AT LAB BY (PRINT AND SIGN):			

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CHAIN OF CUSTODY RECORD

Tetra Tech EM Inc.

10670 White Rock Road, Suite 100
Rancho Cordova, CA 95670
(916) 852-8300 FAX (916) 852-8387

DATE: 7/18/01

CHAIN OF CUSTODY NO: № 4628

LABORATORY NUMBER:

PAGE 1 OF 1

PROJECT NAME: OU1/2 DGS ALAMEDA	PROJECT MANAGER: JOHN SWANSON
PROJECT NUMBER: G0069 385 B0103	TELEPHONE NUMBER:
PROJECT LOCATION: ALAMEDA PT	DESTINATION LABORATORY: STL MOBILE LAB
SAMPLER(S): MARK CRUCKSHANK	ADDRESS:
SAMPLER SIGNATURE(S): MC	CITY STATE ZIP:
SITE CONTACT/ TELEPHONE NUMBER: GARY THOMAS	LABORATORY TELEPHONE NUMBER:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE	TIME	MATRIX TYPE	NO./TYPE OF CONTAINERS	TURN AROUND TIME	REMARKS (GRAB, COMPOSITE, ETC.)
S23-DGS-SG03-1	7/18	851	SG	1-TEDLAR BAG		
S23-DGS-SG03-2	"	856	"	"		
S23-DGS-SG03-3	"	901	"	"		
S23-DGS-SG03-4	"	906	"	"		
S23-DGS-SG03-5	"	911	"	"		

SHIPPED VIA:

AIRBILL #:

SPECIAL INSTRUCTIONS:

RELINQUISHED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME
[signature]	Gary Thomas/U&A	7/18/01		M Gilchrist	M Gilchrist / STL	7/18	0911
				RECEIVED AT LAB BY (PRINT AND SIGN):			

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Continue

CHAIN OF CUSTODY RECORD

Tetra Tech EM Inc.

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Rancho Cordova, CA 95670
(916) 852-8300 FAX (916) 852-8307

DATE: 7/18/01
CHAIN OF CUSTODY NUMBER: № 4629
LABORATORY NUMBER:
PAGE 1 OF 1

PROJECT NAME: OU 1/2 DGS ALAMEDA PT	PROJECT MANAGER: JOHN SWANSON
PROJECT NUMBER: G0069 385B0103	TELEPHONE NUMBER:
PROJECT LOCATION: ALAMEDA POINT	DESTINATION LABORATORY: MOBILE LAB (STL)
SAMPLER(S): MARK CRUICKSHANK	ADDRESS:
SAMPLER SIGNATURE(S): MC	CITY STATE ZIP:
SITE CONTACT/ TELEPHONE NUMBER: GARY THOMAS	LABORATORY TELEPHONE NUMBER:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE	TIME	MATRIX TYPE	NO./TYPE OF CONTAINERS	TURN AROUND TIME	REMARKS (GRAB, COMPOSITE, ETC.)
S21-DGS-SG06-1	7/18	1031	SG	1-TEDLAR BAG		
S21-DGS-SG06-2	"	1036	"	"		
S21-DGS-SG06-3	"	1041	"	"		
S21-DGS-SG06-4	"	1046	"	"		
S21-DGS-SG06-5	"	1051	"	"		

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AIRBILL #:

SPECIAL INSTRUCTIONS:

RELINQUISHED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME	RECEIVED BY (SIGNATURE)	PRINT NAME/ COMPANY	DATE	TIME
Gary Thomas	Gary Thomas/U&A	7/18/01		M Gilchrist	MGilchrist/STL	7/18/01	1051
				RECEIVED AT LAB BY (PRINT AND SIGN):			

DISTRIBUTION: WHITE = LABORATORY YELLOW = PROJECT MANAGER PINK = FILE