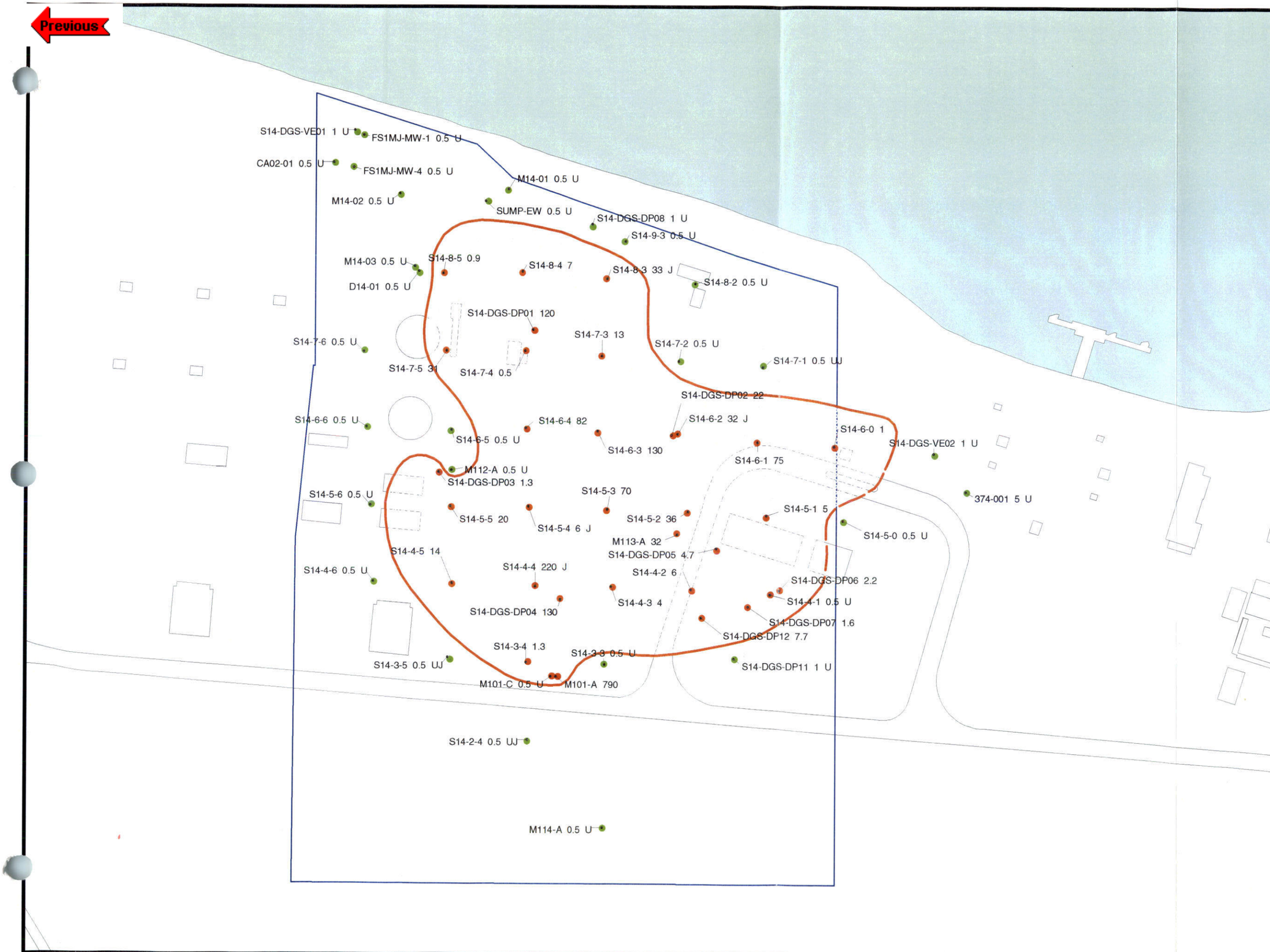
Previous



LEGEND

- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- LAND COVER
- CERCLA SITE BOUNDARIES
- GROUNDWATER ABOVE MCL
- MCL LINE FOR VINYL CHLORIDE

NOTE:

MAXIMUM CONTAMINATE LEVEL FOR VINYL CHLORIDE = 0.5 ug/L

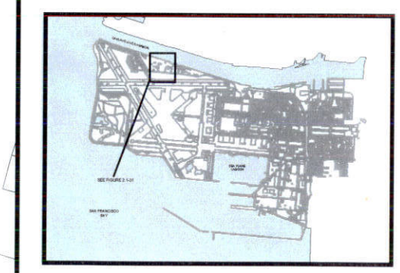
ALL RESULTS REPORTED ARE IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

SAMPLE DATE: JANUARY 1998 THROUGH AUGUST 2001

POINT NAME — CONCENTRATION — QUALIFIER

S14-DGS-DP06 0.13 U



N

70 0 70 140

SCALE: 1" = 140'

FIGURE 2.1-31
GROUNDWATER CONTAMINATION PLUME DELINEATION VINYL CHLORIDE CERCLA SITE 14 ALAMEDA, POINT ALAMEDA CALIFORNIA

Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\DGS_CHRIS\OU2B_DGS_DEN\IR_SITE_14.APR TPM 5/13/02

LEGEND

- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- LAND COVER
- CERCLA SITE BOUNDARIES
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,1-DICHLOROETHANE

NOTE:

MAXIMUM CONTAMINANT LEVEL FOR 1,1-DICHLOROETHANE = 5.0 ug/L

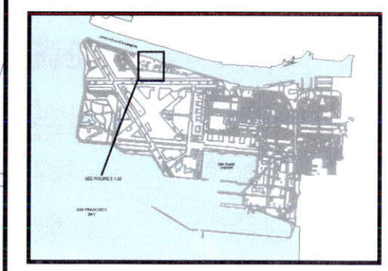
ALL RESULTS REPORTED ARE IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

SAMPLE DATE: JANUARY 1998 THROUGH AUGUST 2001

POINT NAME — CONCENTRATION — QUALIFIER

S14-DGS-DP06 0.13 U



N

70 0 70 140

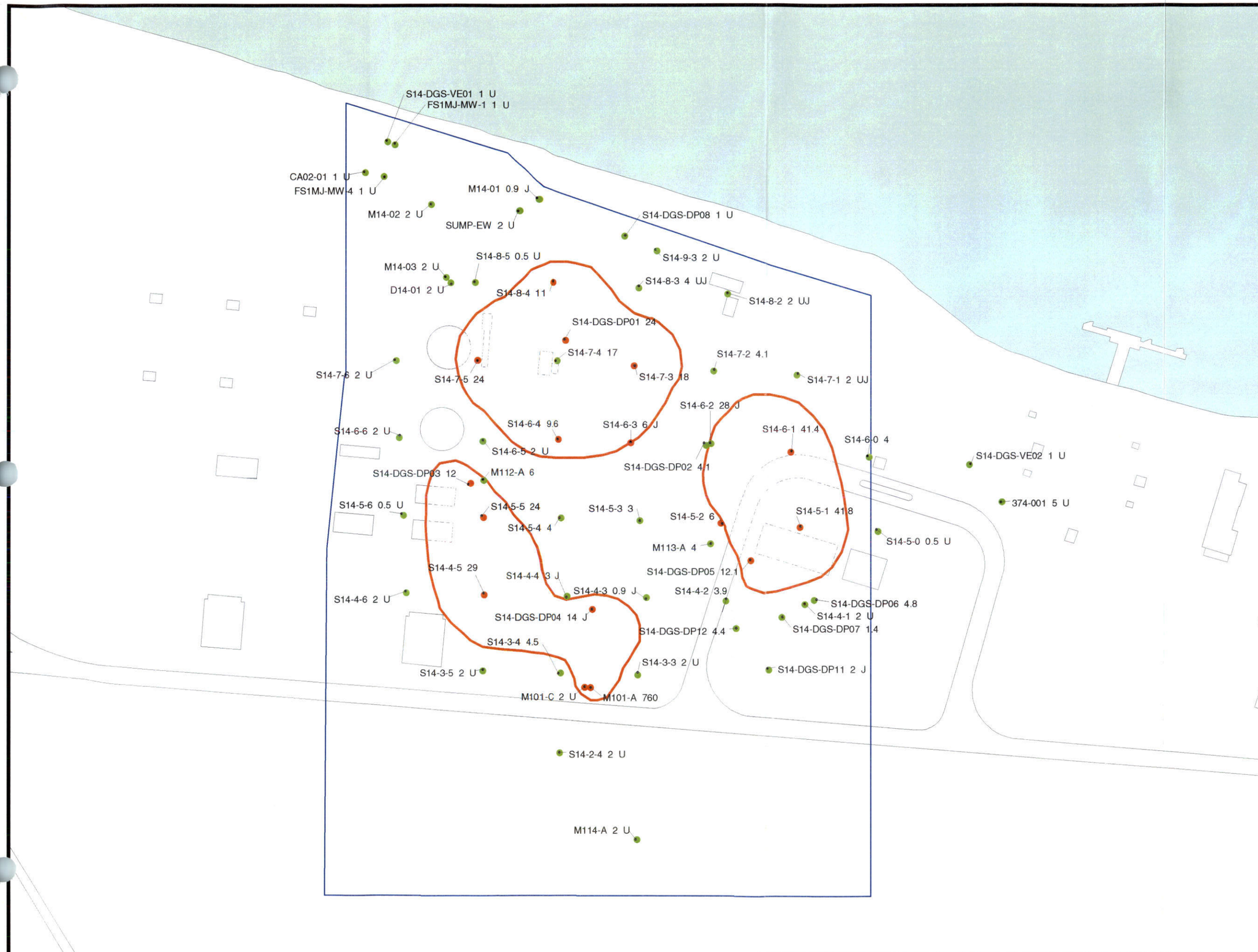
SCALE: 1" = 140'

FIGURE 2.1-32
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,1-DICHLOROETHANE
CERCLA SITE 14
ALAMEDA, POINT
ALAMEDA CALIFORNIA

Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\DGS_CHRIS\OU2B_DGS_DEN\IR_SITE_14.APR TPM 5/13/02



LEGEND

- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- LAND COVER
- CERCLA SITE BOUNDARIES
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,2-DICHLOROETHENE

NOTE:

MAXIMUM CONTAMINATE LEVEL FOR 1,2-DICHLOROETHENE = 6.0 ug/L

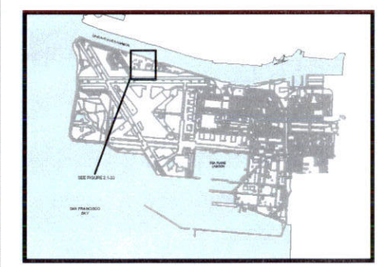
ALL RESULTS REPORTED ARE IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

SAMPLE DATE: JANUARY 1998 THROUGH AUGUST 2001

POINT NAME — CONCENTRATION — QUALIFIER

S14-DGS-DP06 0.13 U



N

70 0 70 140

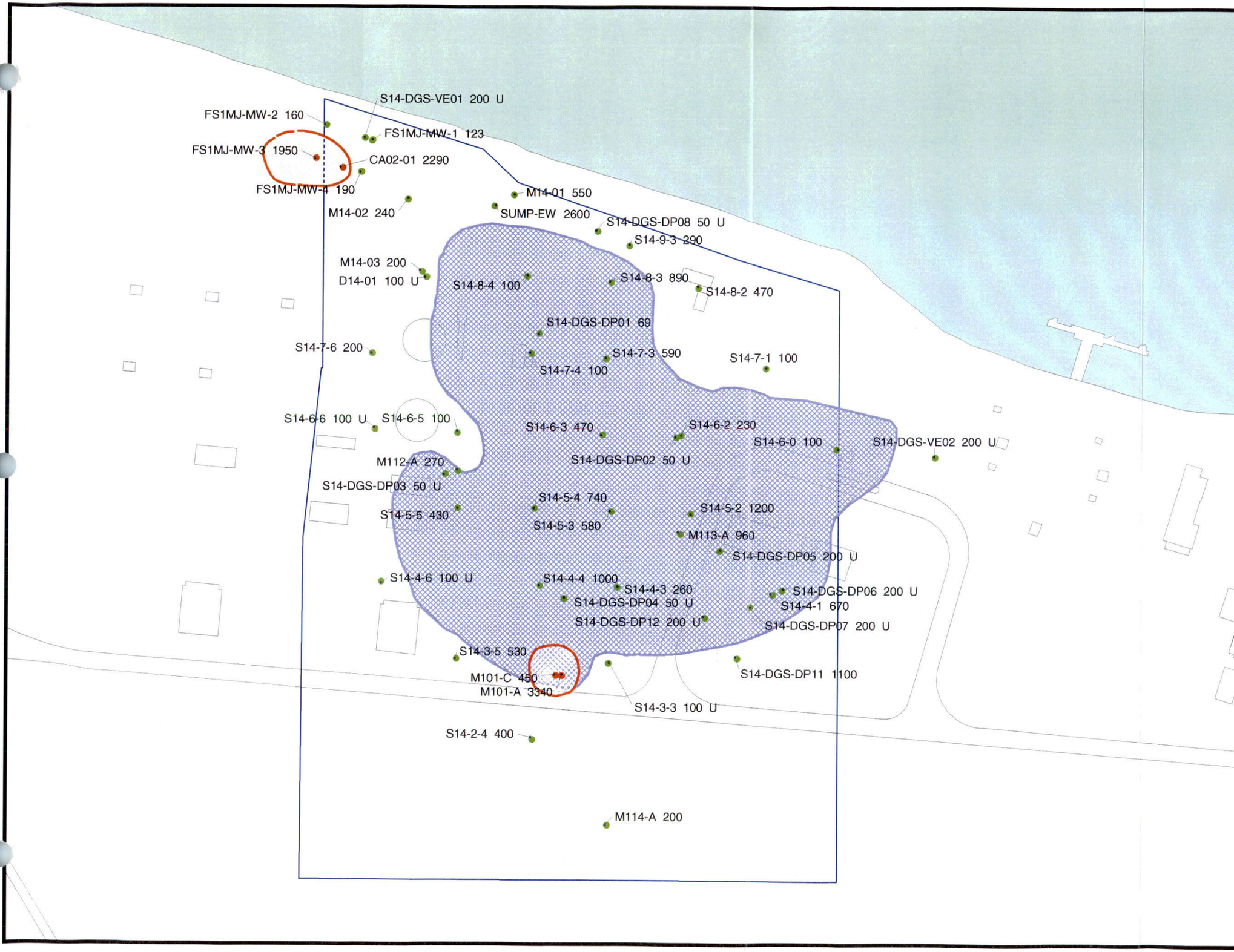
SCALE: 1" = 140'

FIGURE 2.1-33
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,2-DICHLOROETHENE
CERCLA SITE 14
ALAMEDA, POINT
ALAMEDA CALIFORNIA

Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\DGS_CHRIS\OU2B_DGS_DEN\IR_SITE_14.APR TPM 5/13/02



LEGEND

- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- LAND COVER
- CERCLA SITE BOUNDARIES
- GROUNDWATER ABOVE MCL FOR TOTAL TPH
- TOTAL VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

NOTE:

*MAXIMUM CONTAMINATE LEVEL FOR TPH TOTAL = 1400 ug/L

ALL RESULTS REPORTED ARE IN ug/L

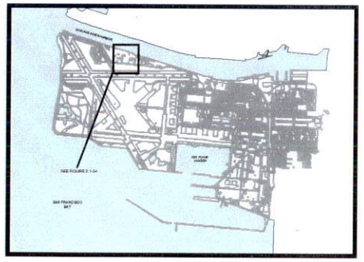
QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

SAMPLE DATE: JANUARY 1998 THROUGH AUGUST 2001

POINT NAME — CONCENTRATION — QUALIFIER

S14-DGS-DP06 0.13 U

* ACTION LEVEL REACHED THROUGH NEGOCIATION BETWEEN NAVY AND REGULATORS



N

70 0 70 140

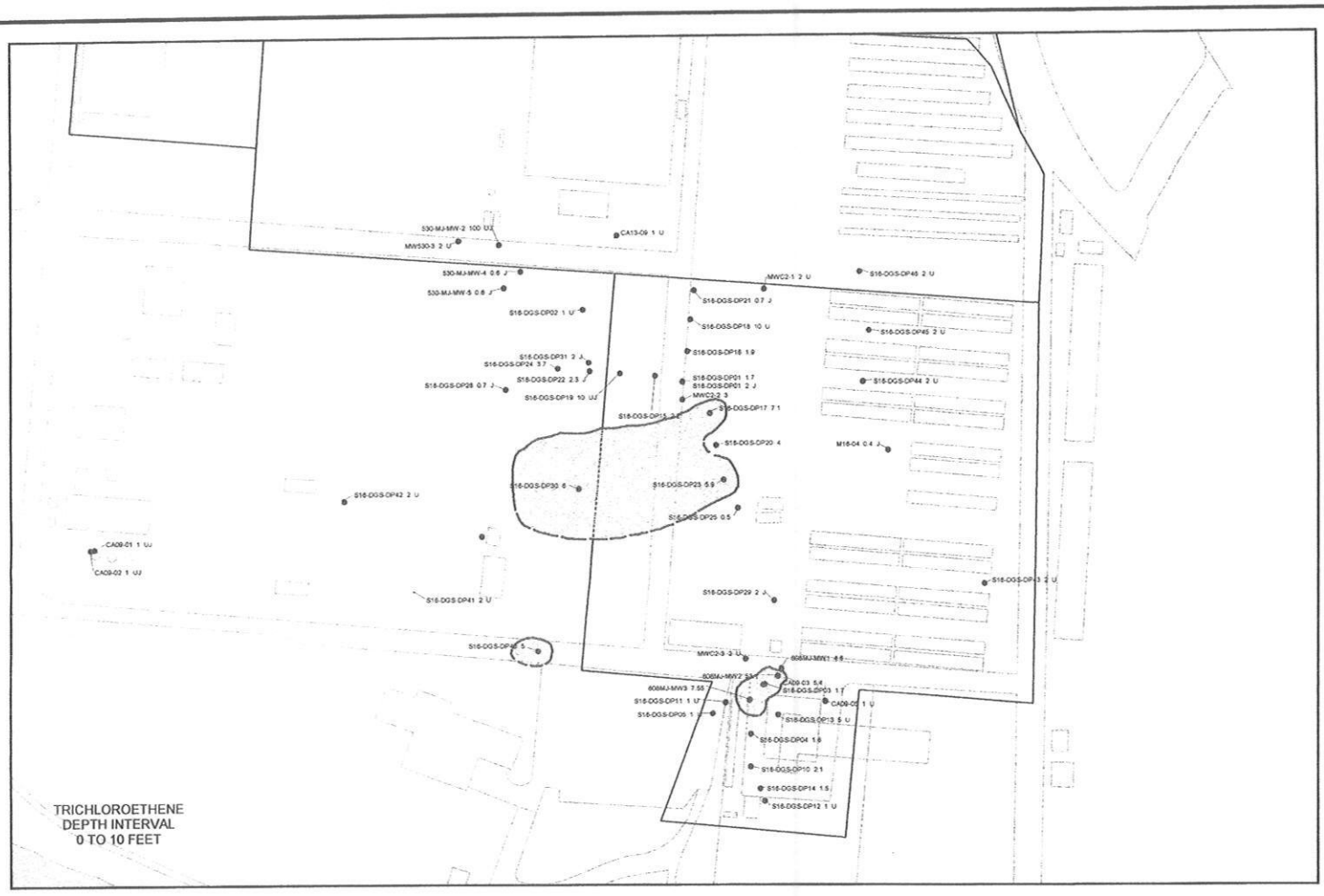
SCALE: 1" = 140'

FIGURE 2.1-34
GROUNDWATER CONTAMINATION PLUME DELINEATION
TPH TOTAL
CERCLA SITE 14
ALAMEDA, POINT
ALAMEDA CALIFORNIA

Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\DGS_CHRIS\OU2B_DGS_DEN\IR_SITE_14.APR TPM 5/13/02



TRICHLOROETHENE
DEPTH INTERVAL
0 TO 10 FEET

TRICHLOROETHENE
DEPTH INTERVAL
10 TO 50 FEET

TRICHLOROETHENE
DEPTH INTERVAL
50 TO 85 FEET

LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR TRICHLORETHENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR TRICHLOROETHENE = 5.0 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

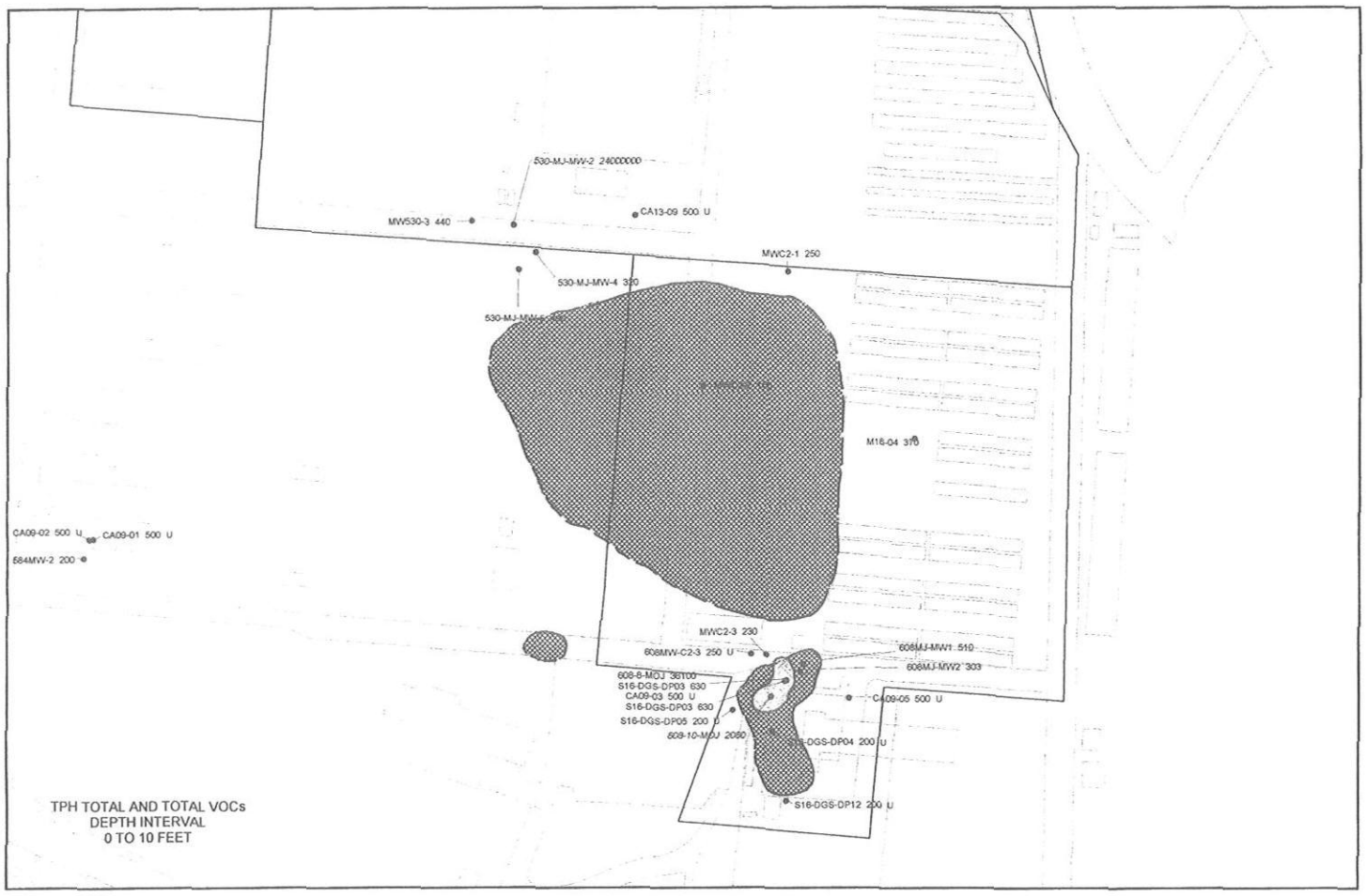
120 0 120 240
SCALE: 1" = 120'

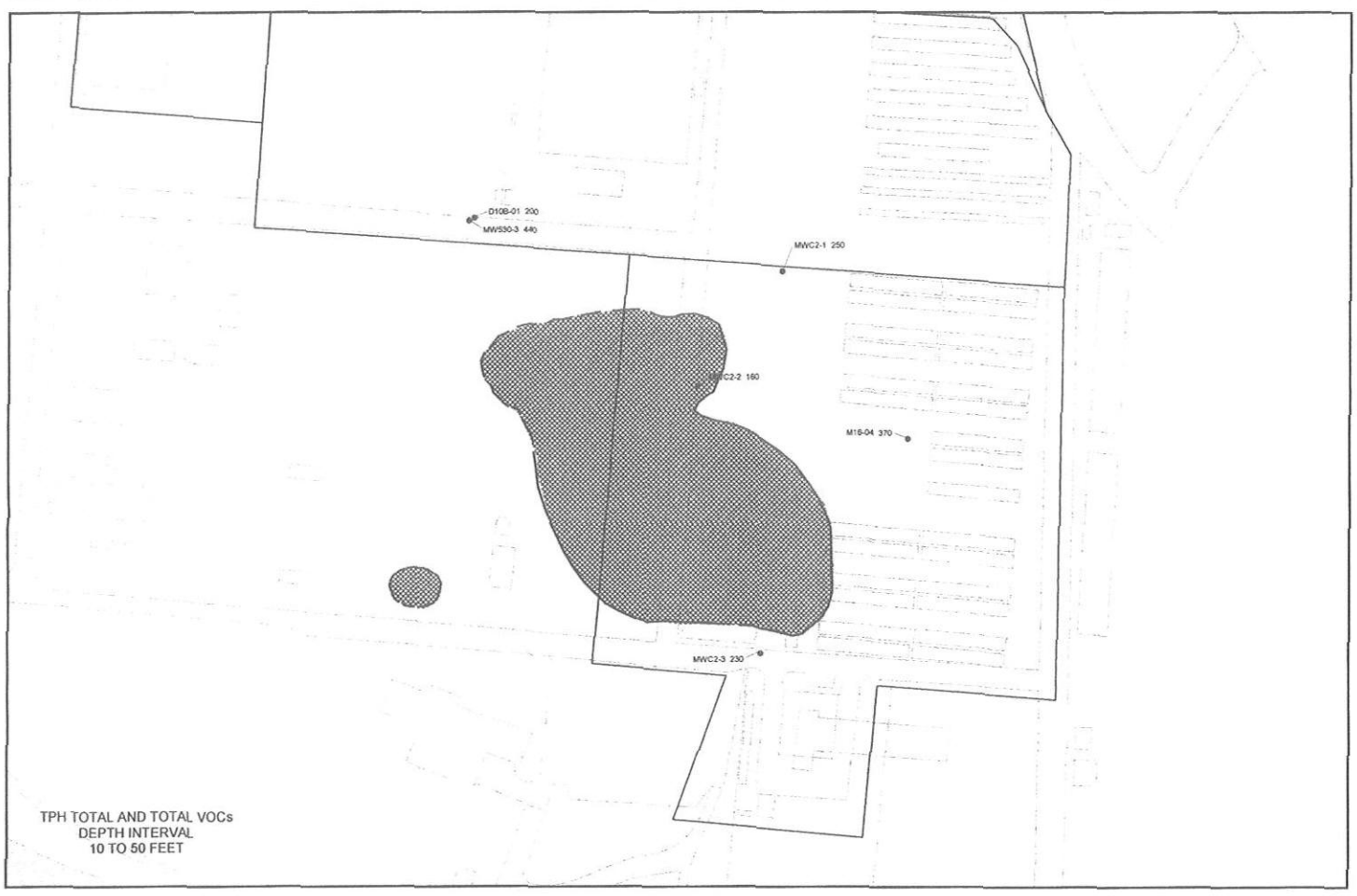
FIGURE 2.1-35
GROUNDWATER CONTAMINATION PLUME DELINEATION
TRICHLOROETHENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

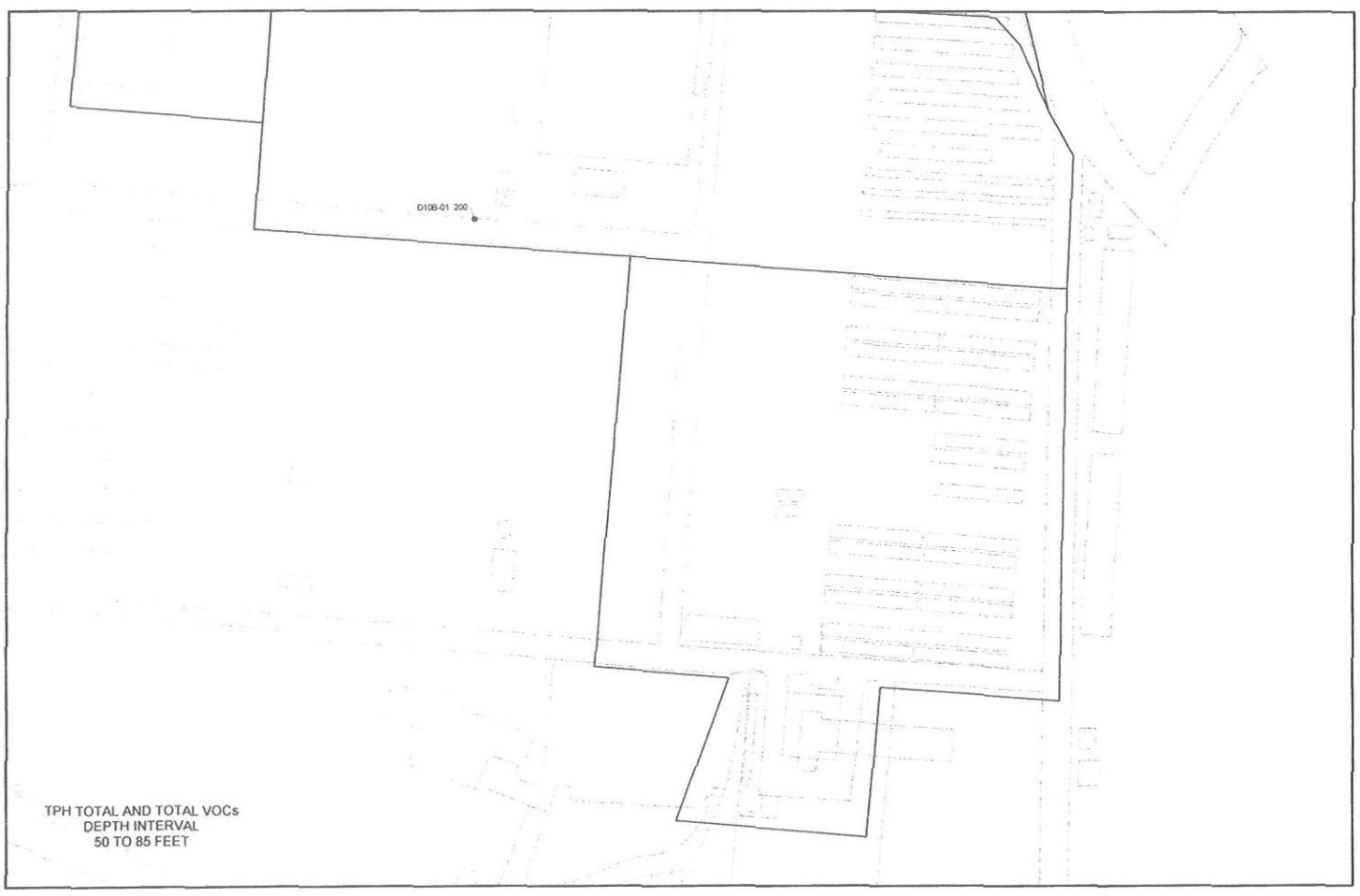
Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\CHRIS_DGS\IR_SITE_16.APR TPM 5/13/02







LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- MCL LINE FOR TOTAL TPH
- VOCS ABOVE MCL

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR TPH TOTAL = 1400 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

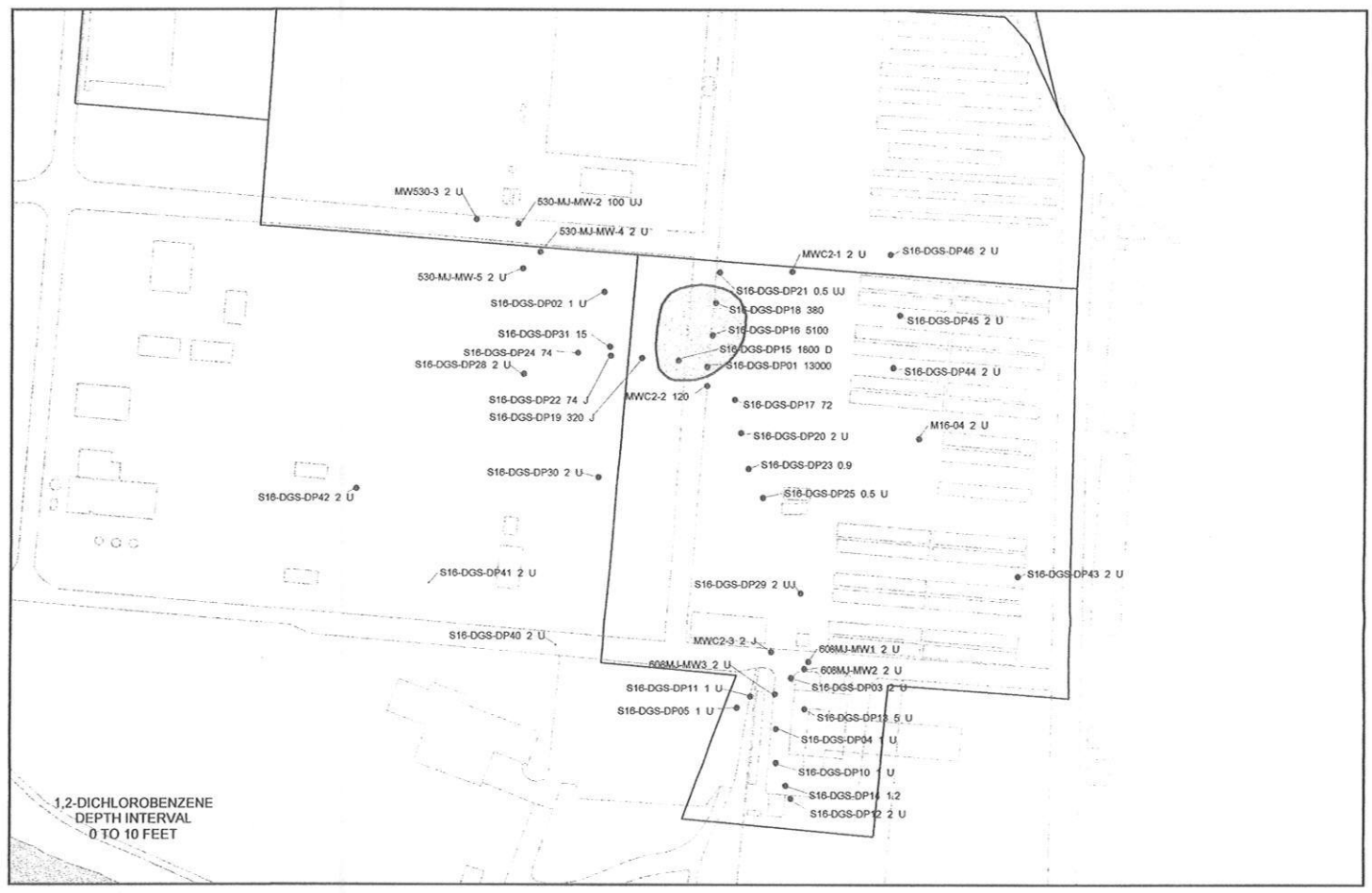
N

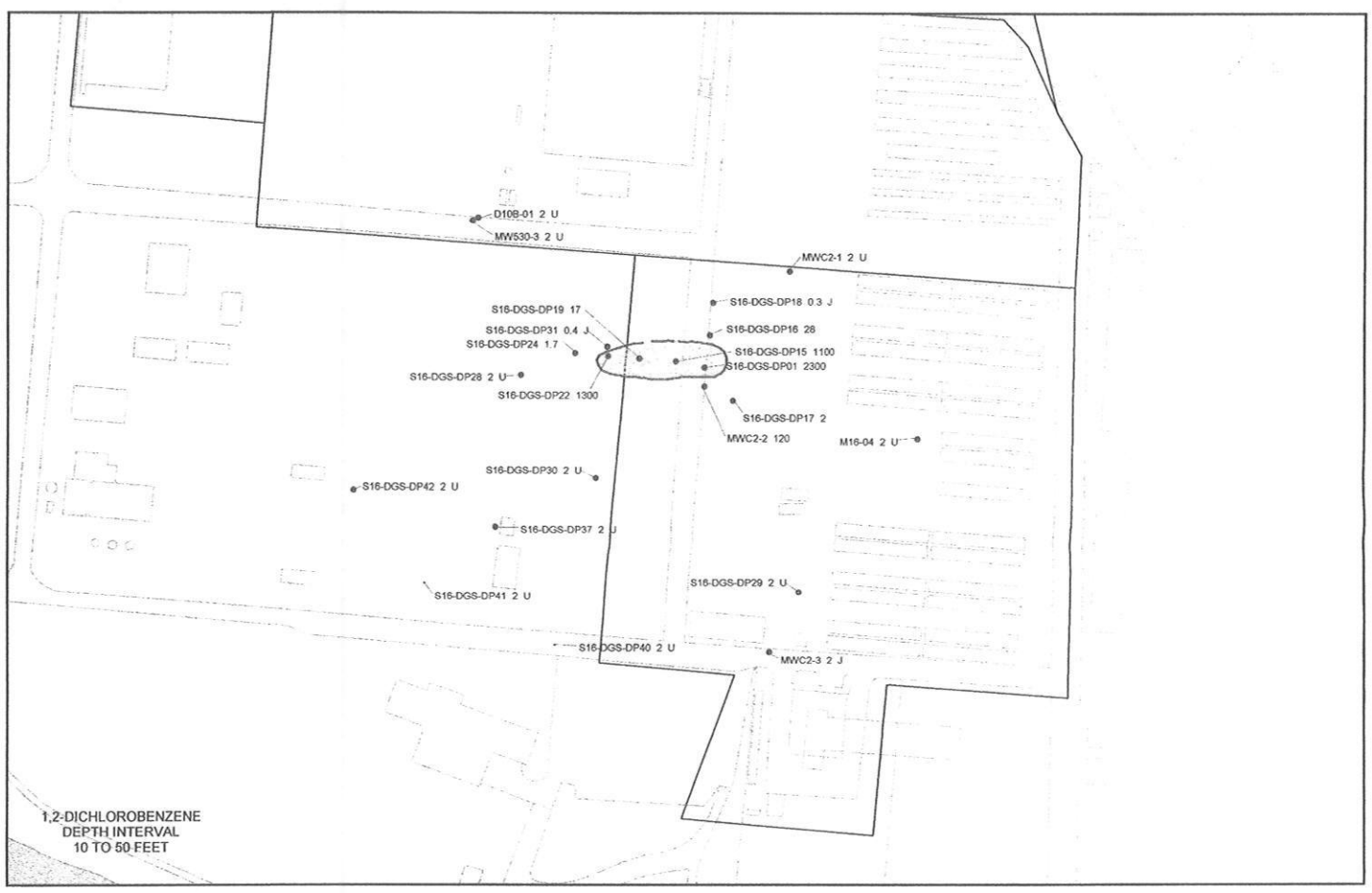
120 0 120 240
SCALE: 1" = 120'

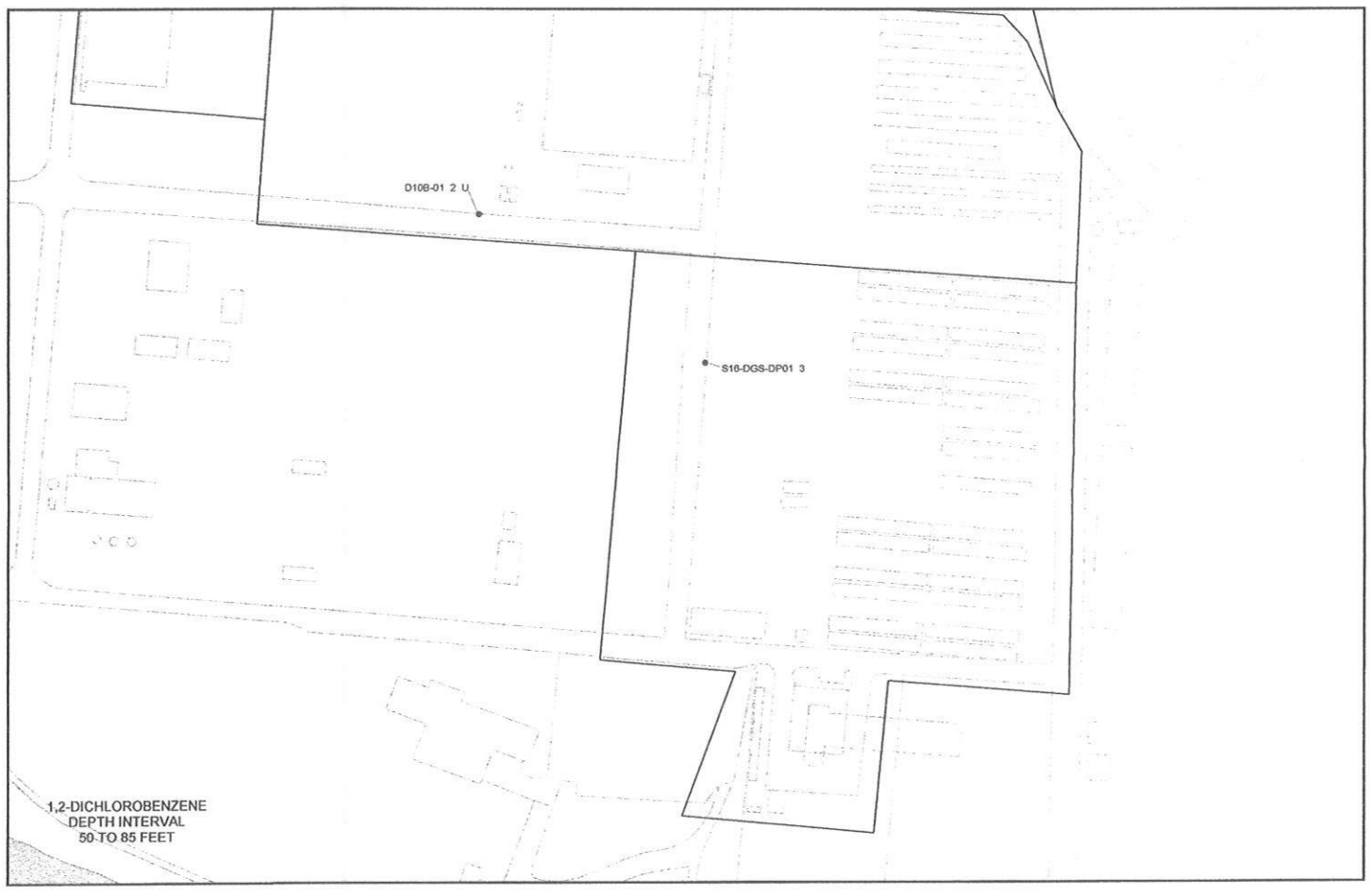
FIGURE 2.1-36
GROUNDWATER CONTAMINATION PLUME DELINEATION
TPH TOTAL AND TOTAL VOCs
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645







LEGEND

- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,2-DICHLOROBENZENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR 1,2-DICHLOROBENZENE = 370.0 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

120 0 120 240
SCALE: 1" = 120'

FIGURE 2.1-37
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,2-DICHLOROBENZENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645

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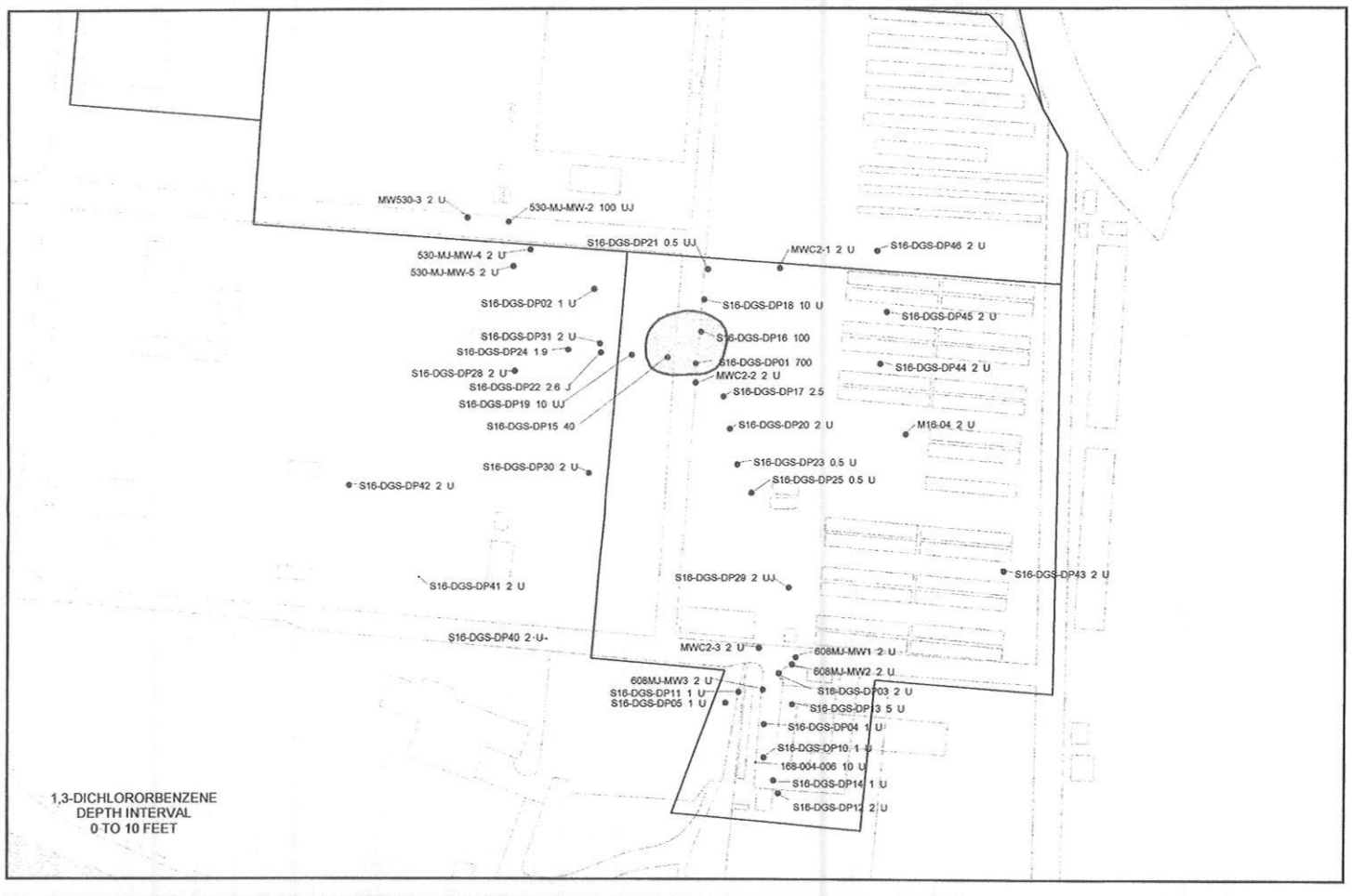

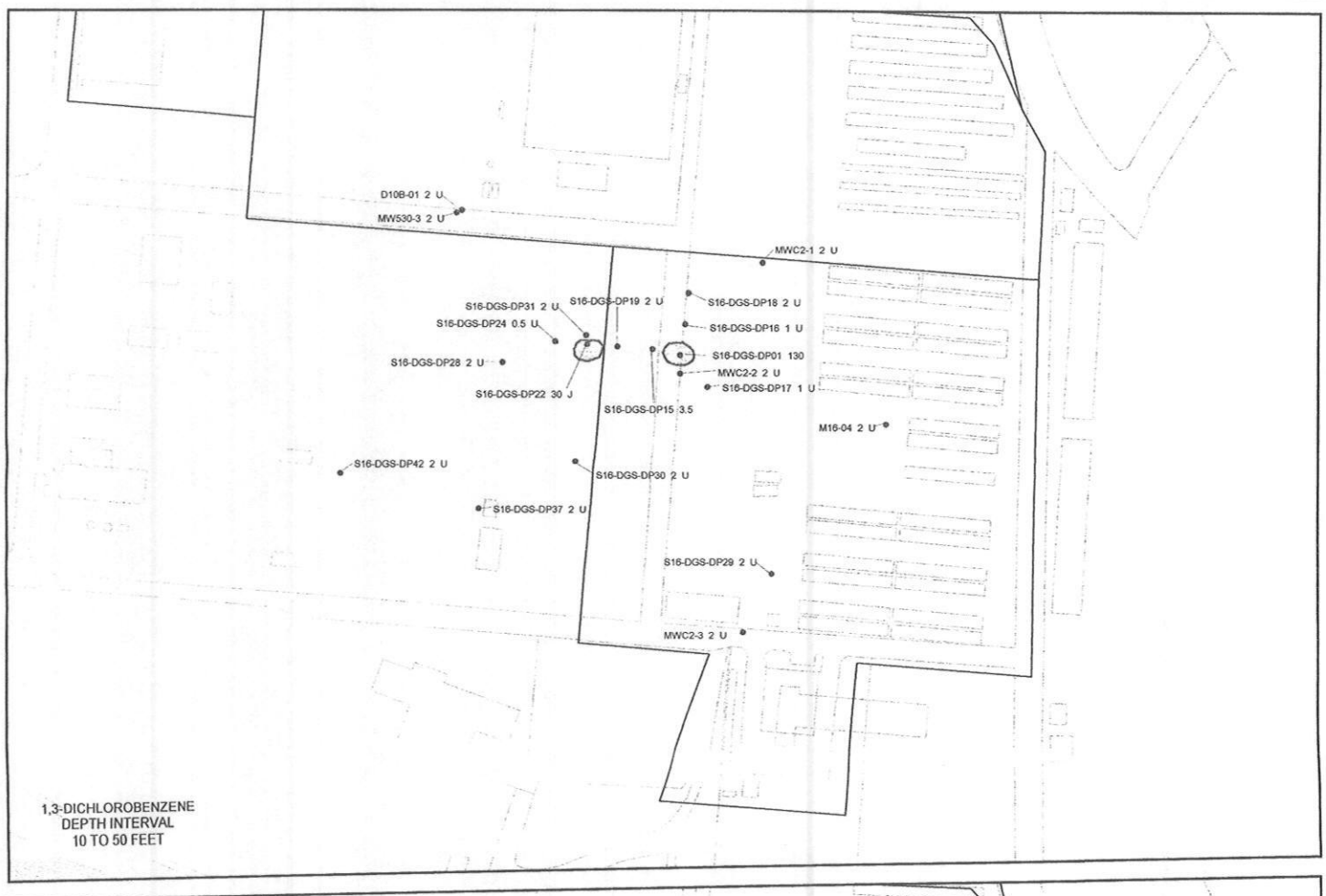

LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,3-DICHLOROBENZENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR 1,3-DICHLOROBENZENE = 5.5 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

120 0 120 240
SCALE: 1" = 120'

FIGURE 2.1-38
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,3-DICHLOROBENZENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645

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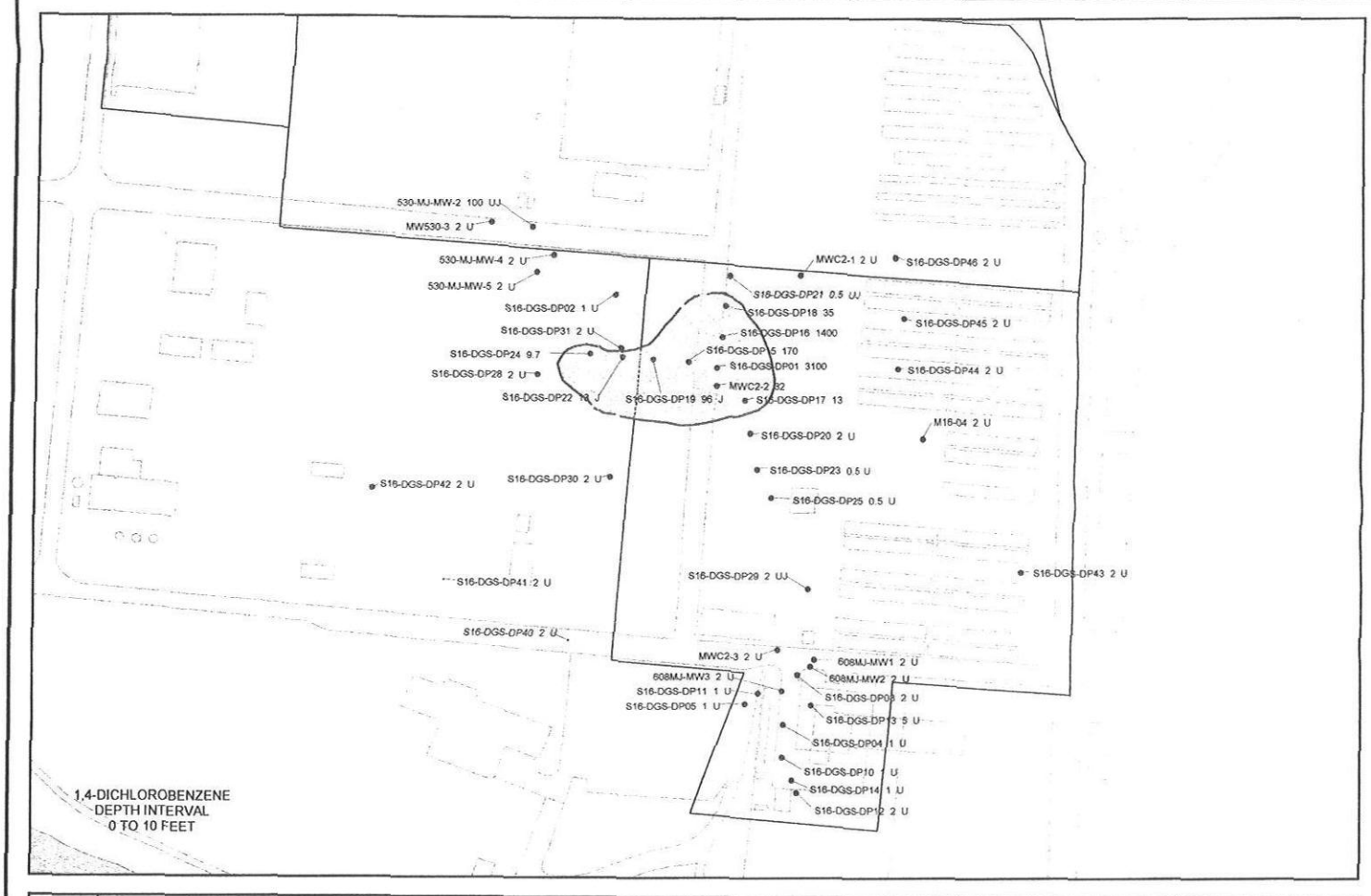
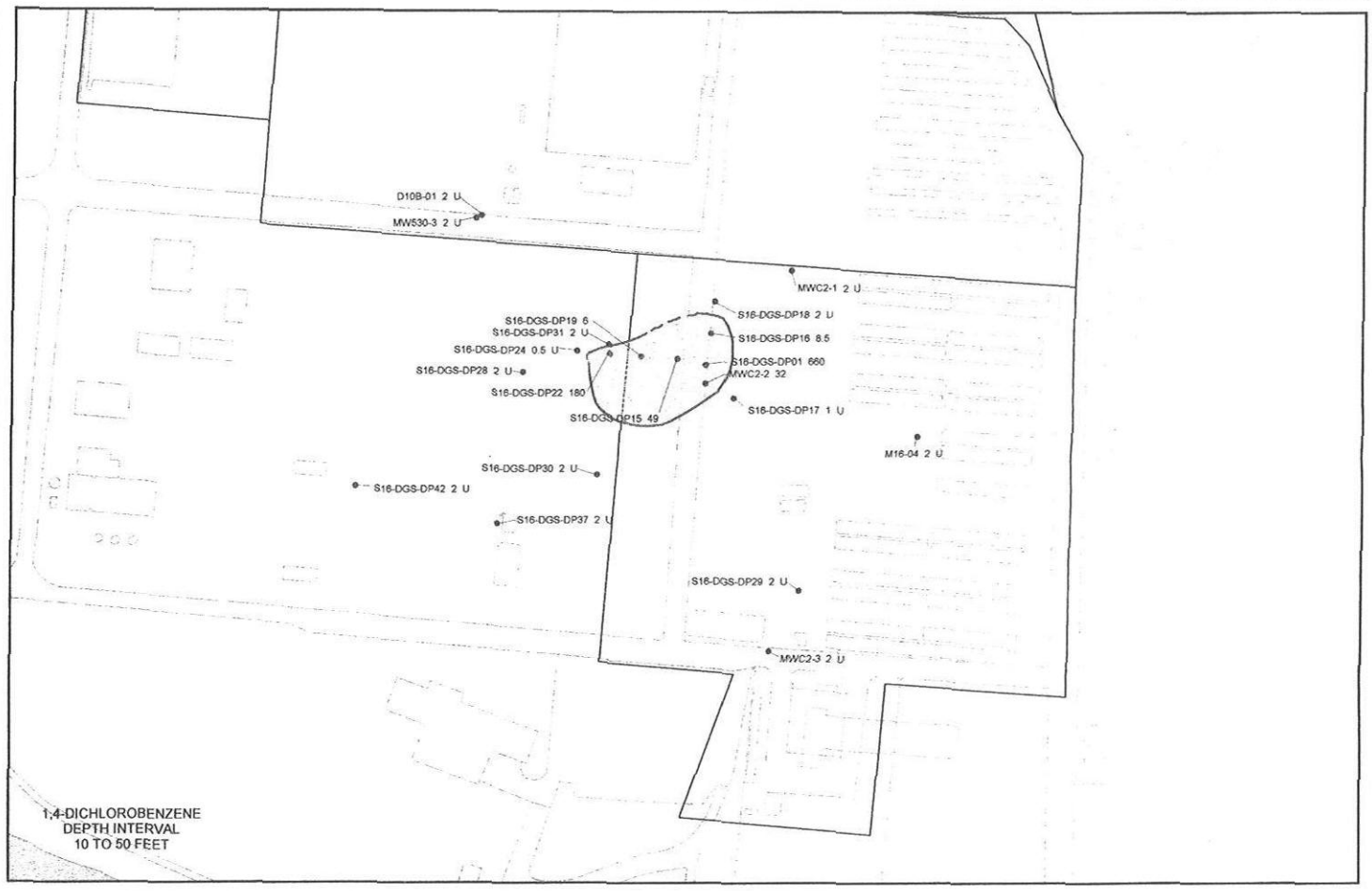
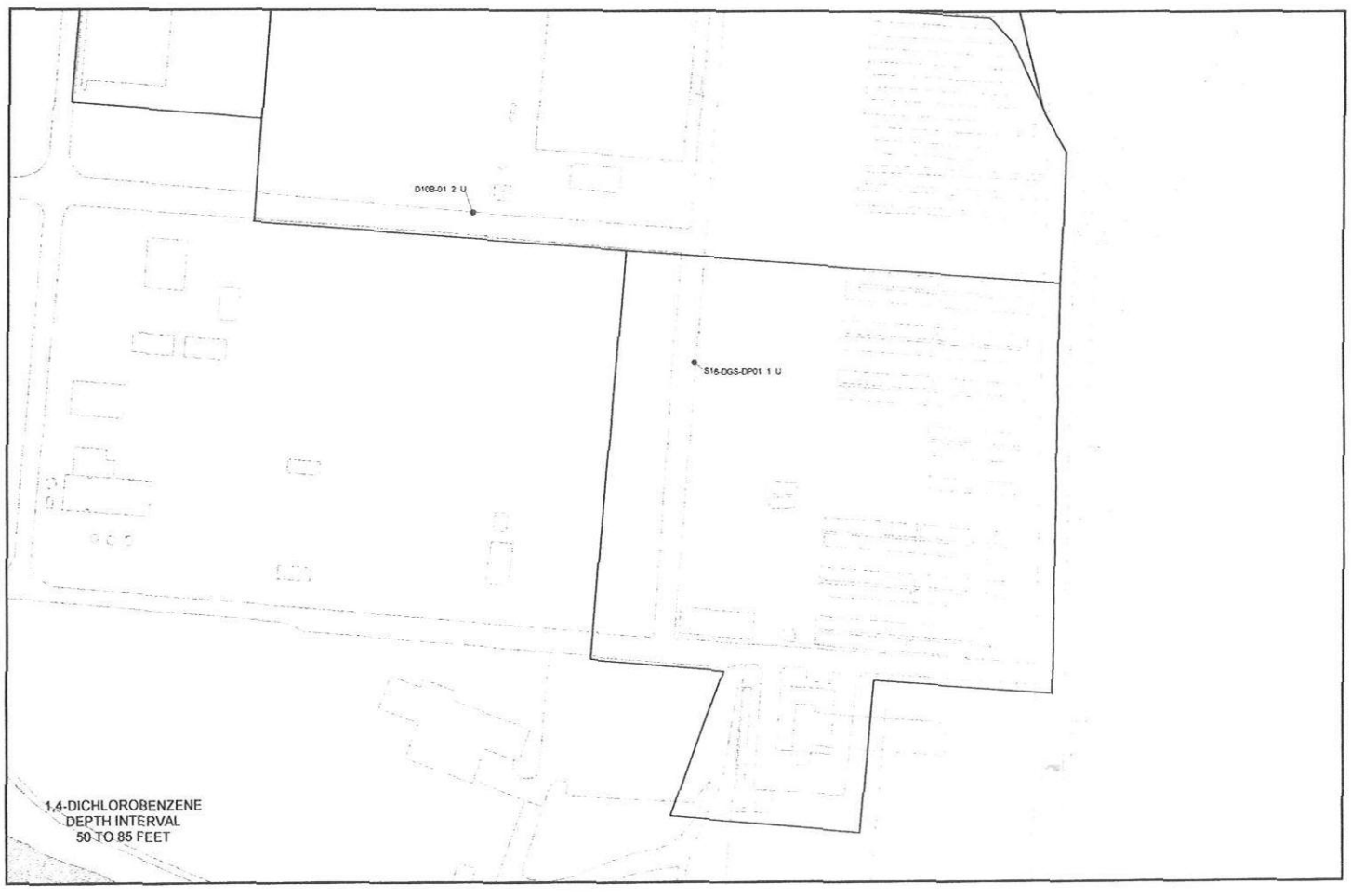






LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,4-DICHLOROBENZENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR 1,4-DICHLOROBENZENE = 0.5 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

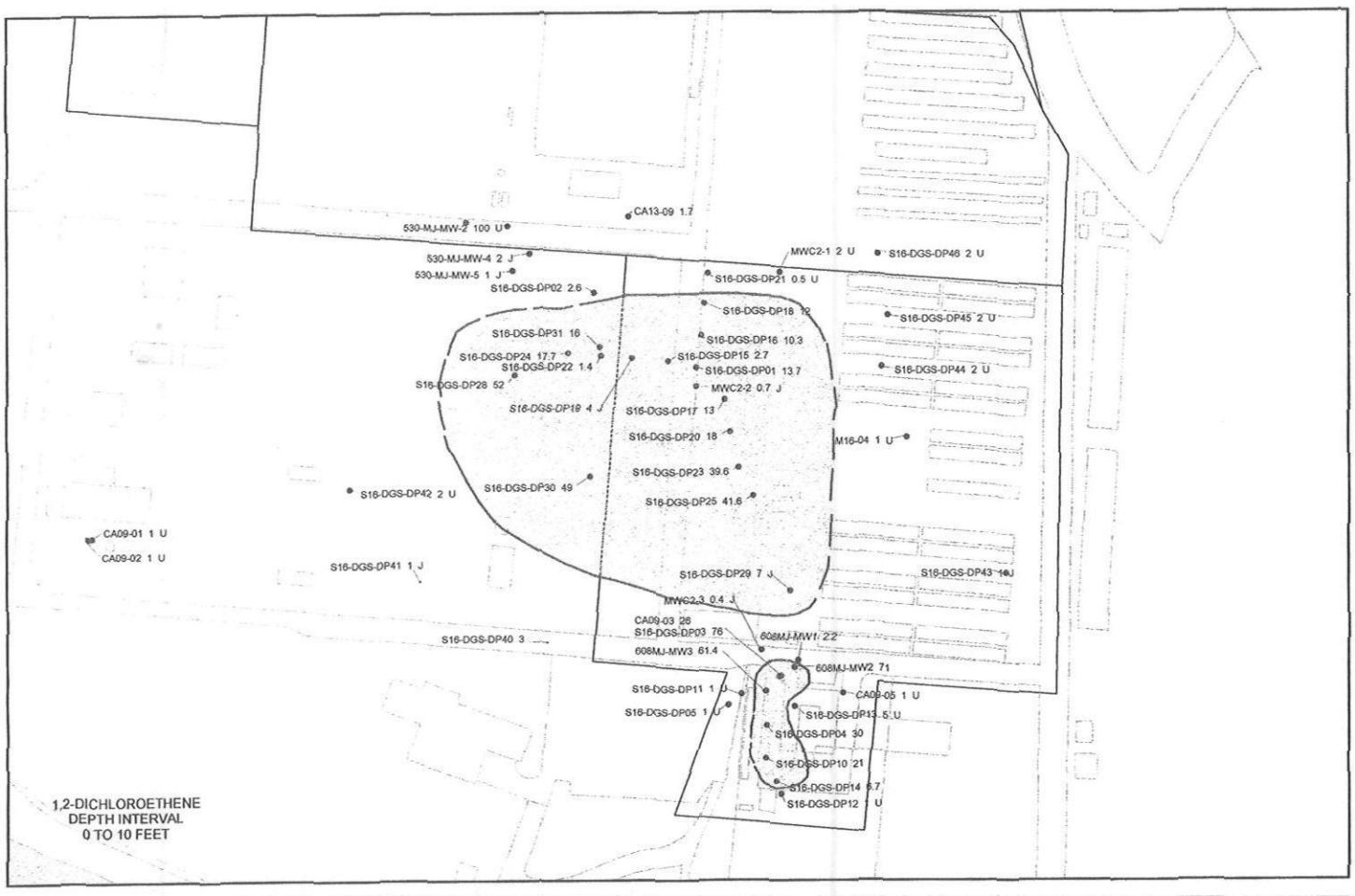
120 0 120 240
SCALE: 1" = 120'

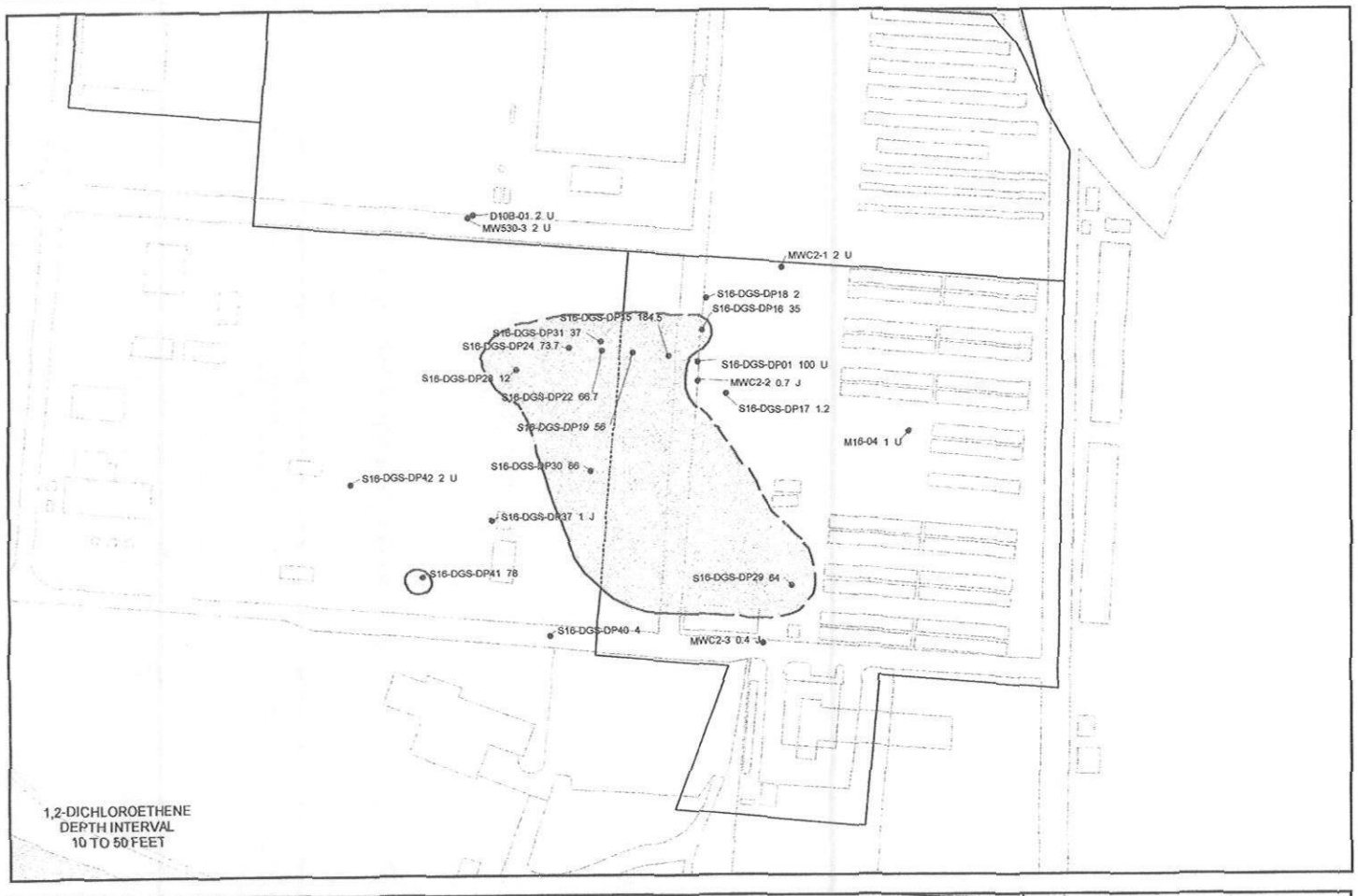
FIGURE 2.1-39
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,4-DICHLOROBENZENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\CHRIS_DGS\IR_SITE_16.APR TPM 5/13/02





LEGEND

- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,2-DICHLOROETHENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR 1,2-DICHLOROETHANE = 6.0 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

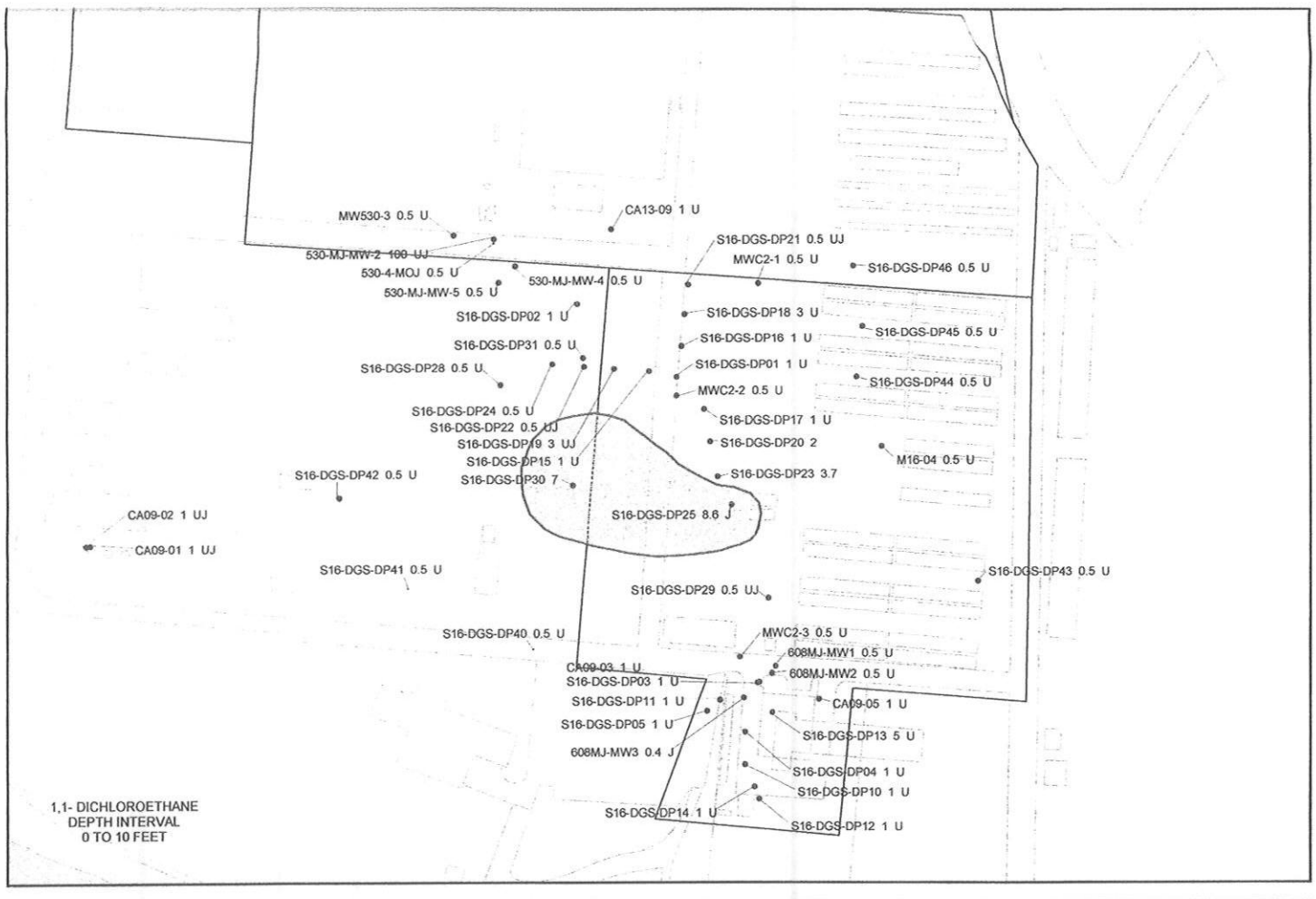
120 0 120 240
SCALE: 1" = 120'

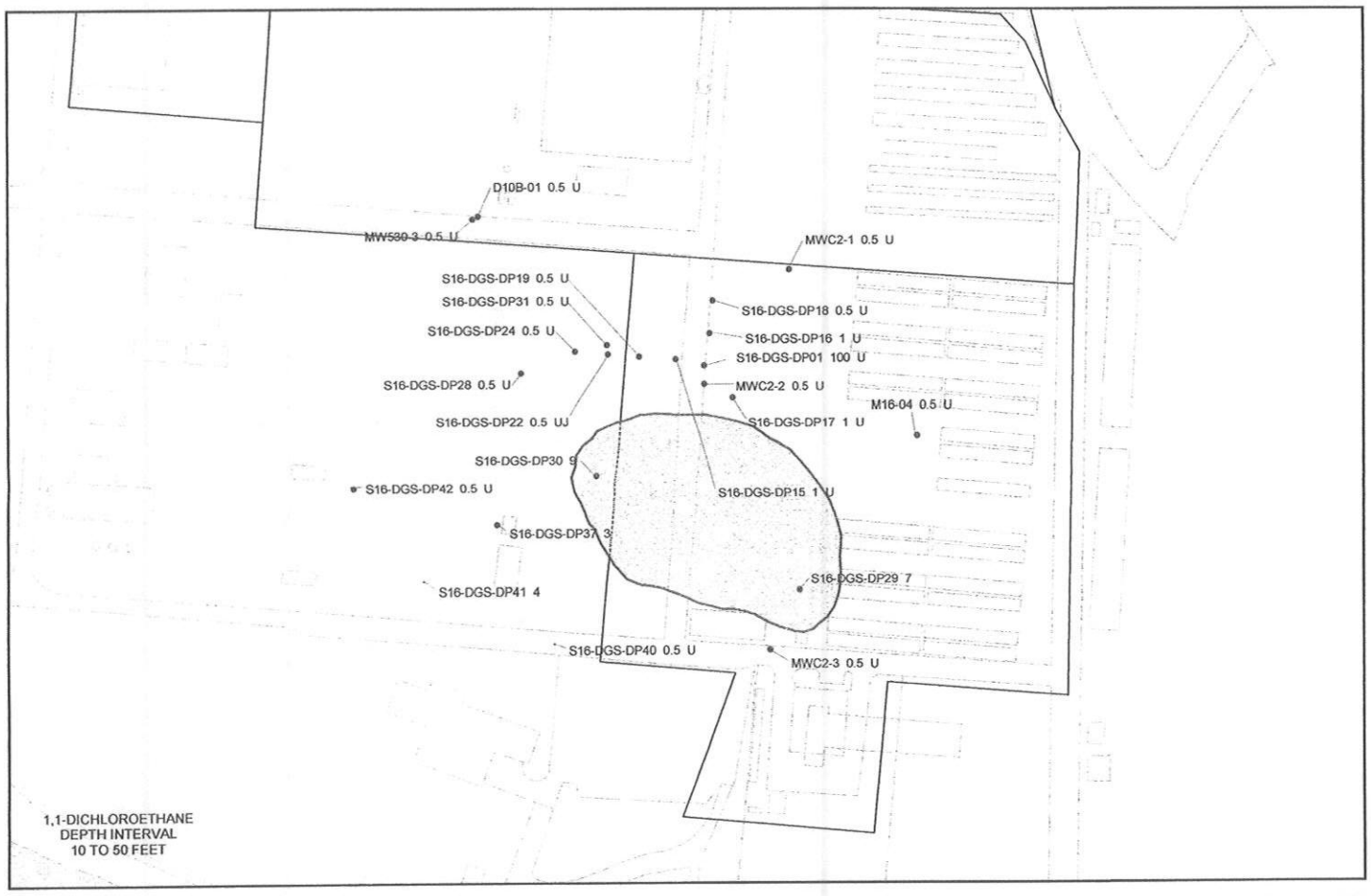
FIGURE 2.1-40
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,2-DICHLOROETHENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

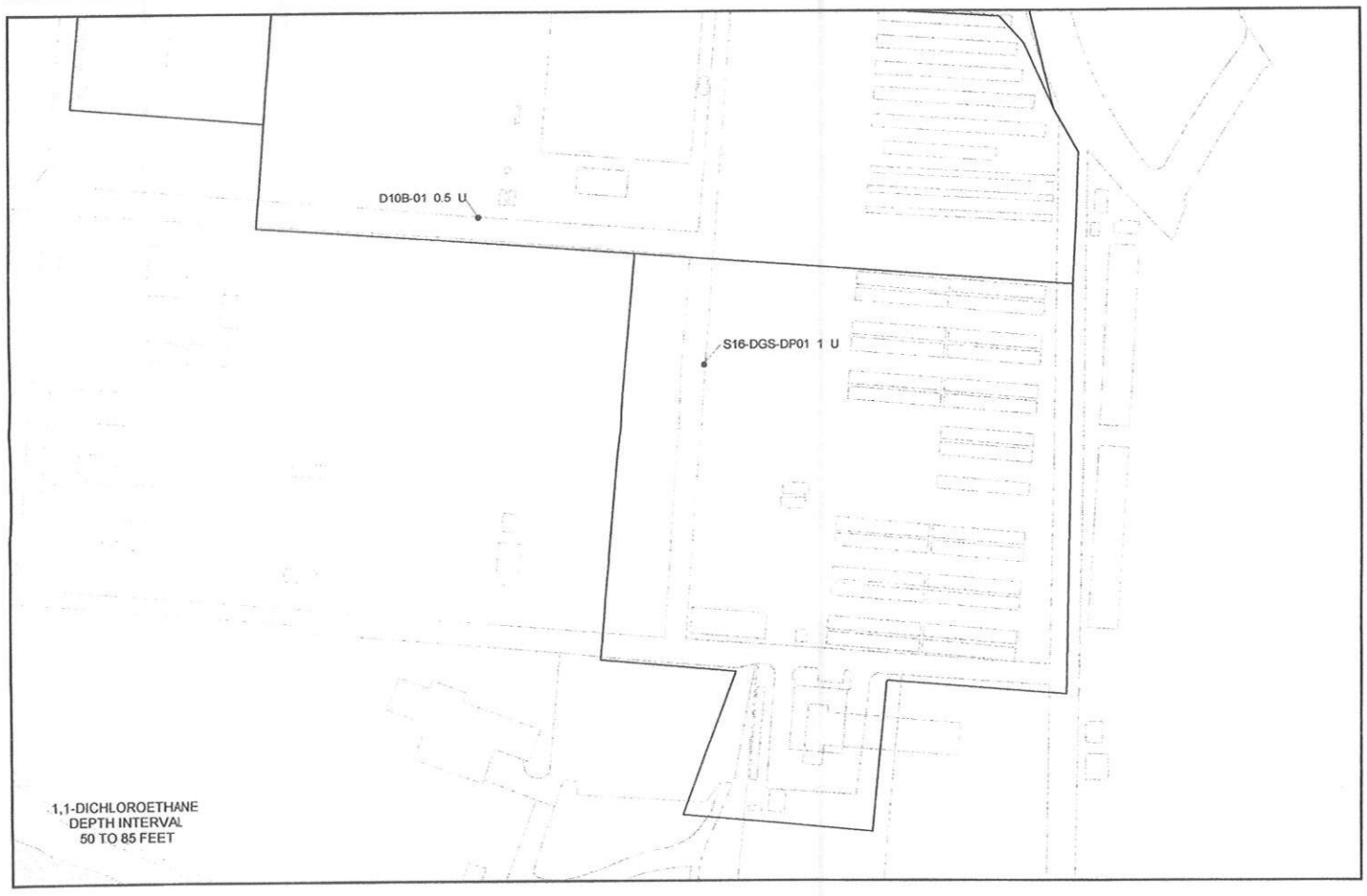
Tetra Tech EM Inc.

DS.0385.15645

U: ALMDA_SA\CTO385\CHRIS_DGS\IR_SITE_16.APR TPM 5/13/02







LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR 1,1-DICHLOROETHANE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR 1,1-DICHLOROETHANE = 5.0 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

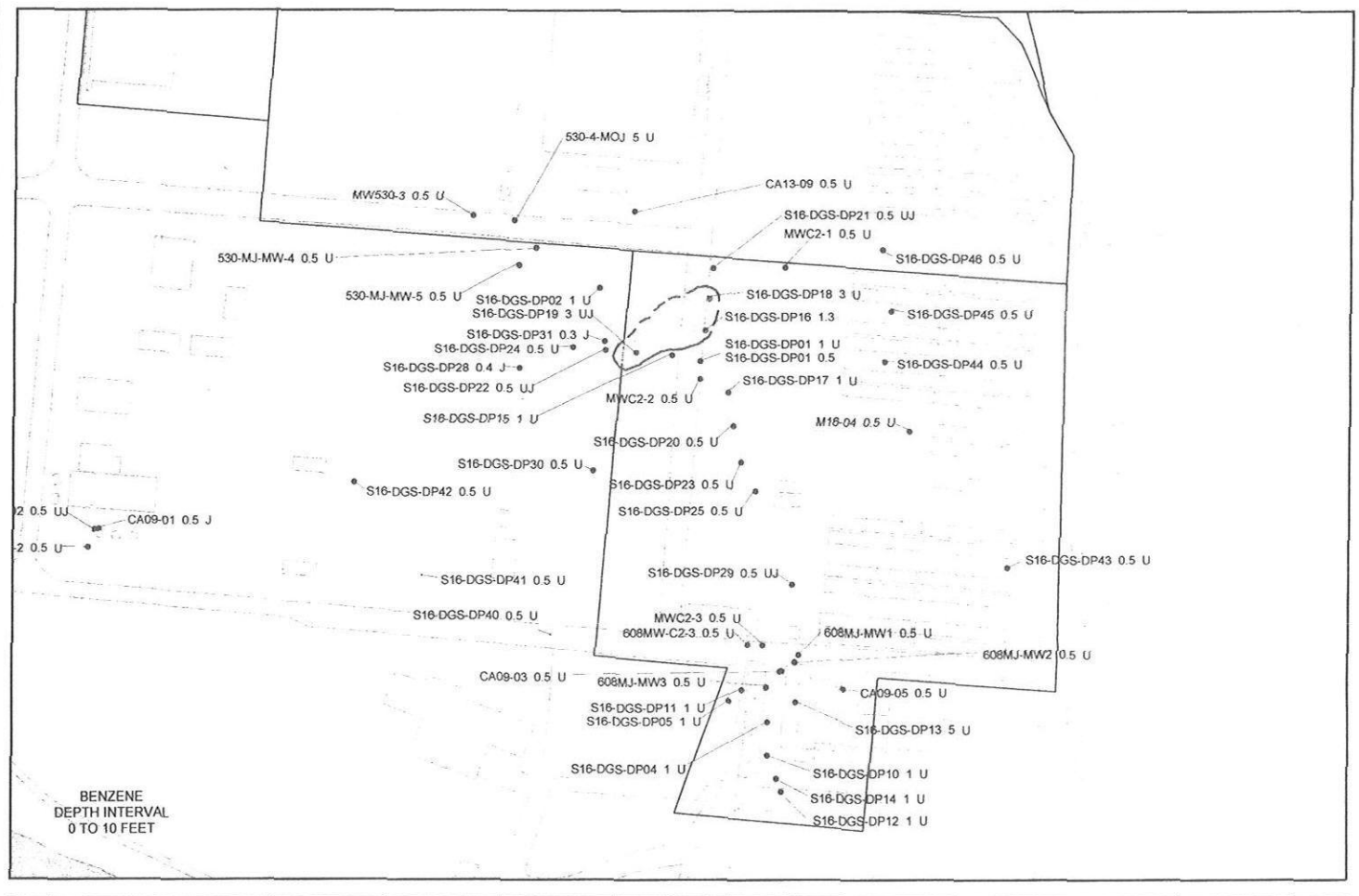
N

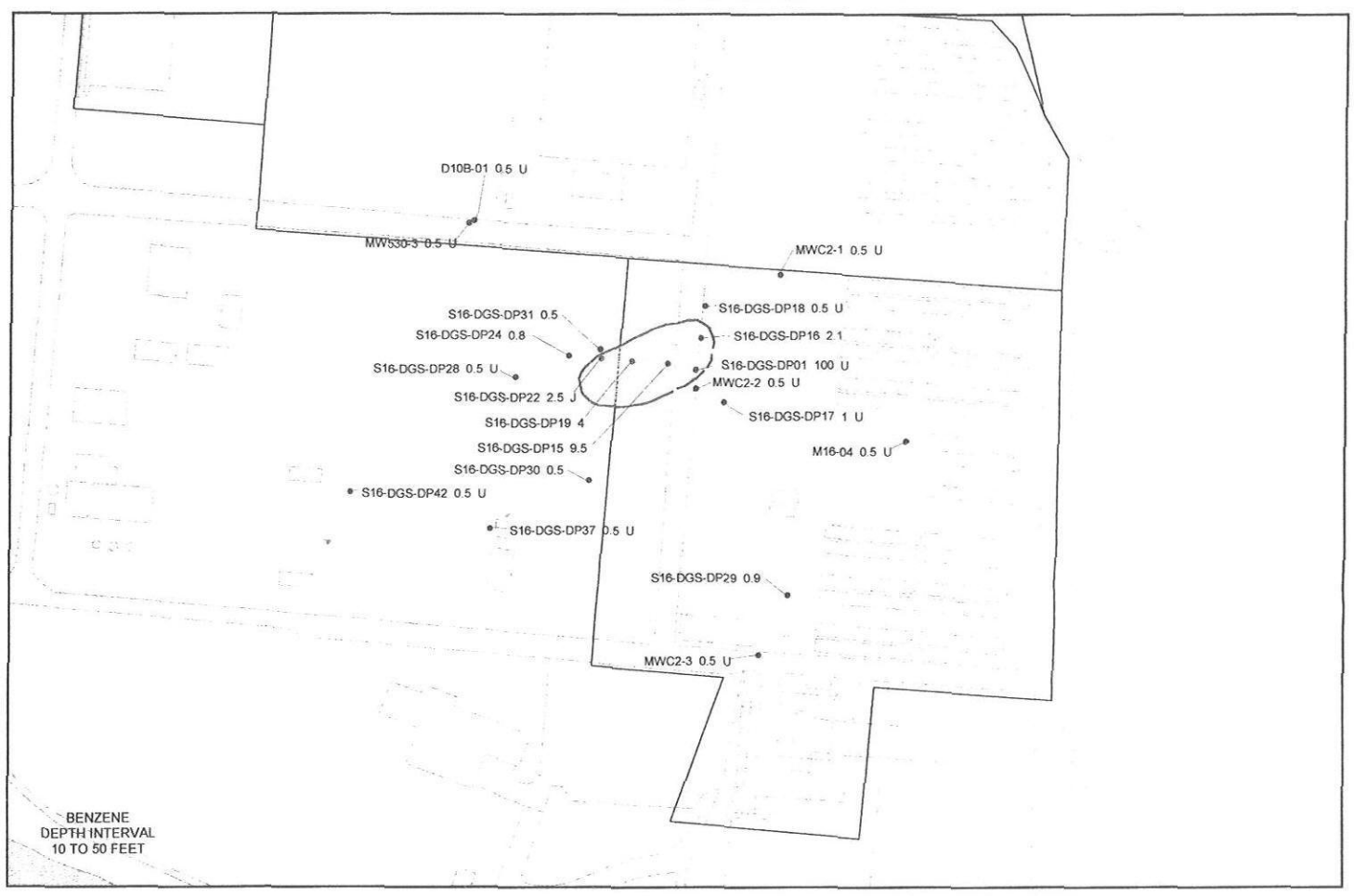
120 0 120 240
SCALE: 1" = 120'

FIGURE 2.1-41
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,1-DICHLOROETHANE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645





LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- *CERCLA SITE BOUNDARIES*
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR BENZENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR BENZENE = 1.0 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME — CONCENTRATION — QUALIFIER
S06-DGS-DP09 0.05 U

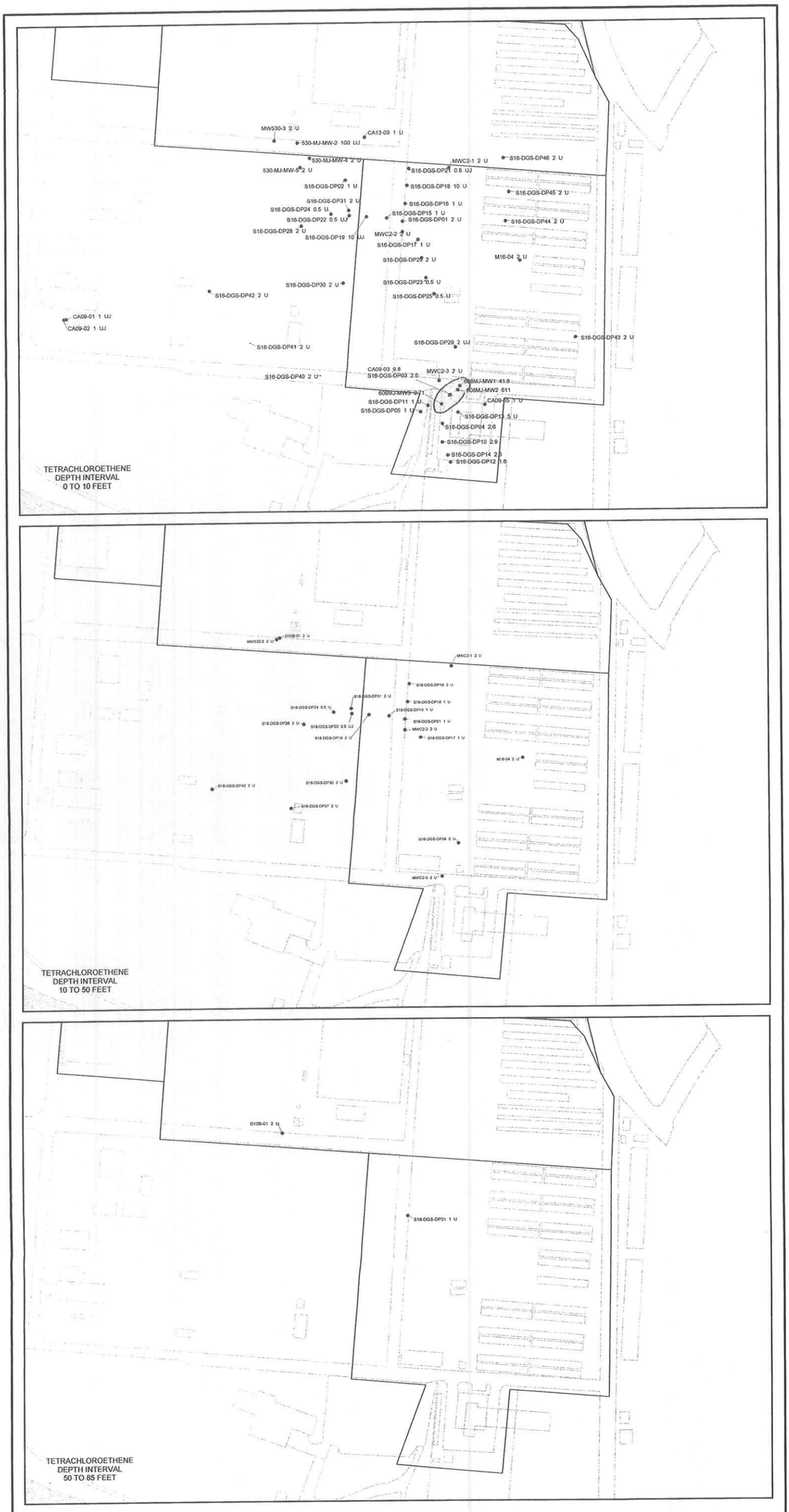
N

120 0 120 240
SCALE: 1" = 120'

FIGURE 2.1-42
GROUNDWATER CONTAMINATION PLUME DELINEATION
BENZENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645



LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR TETRACHLOROETHENE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR TETRACHLOROETHENE = 5.0 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

120 0 120 240
SCALE: 1" = 120'

FIGURE 2.1-43
GROUNDWATER CONTAMINATION PLUME DELINEATION
TETRACHLOROETHENE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645

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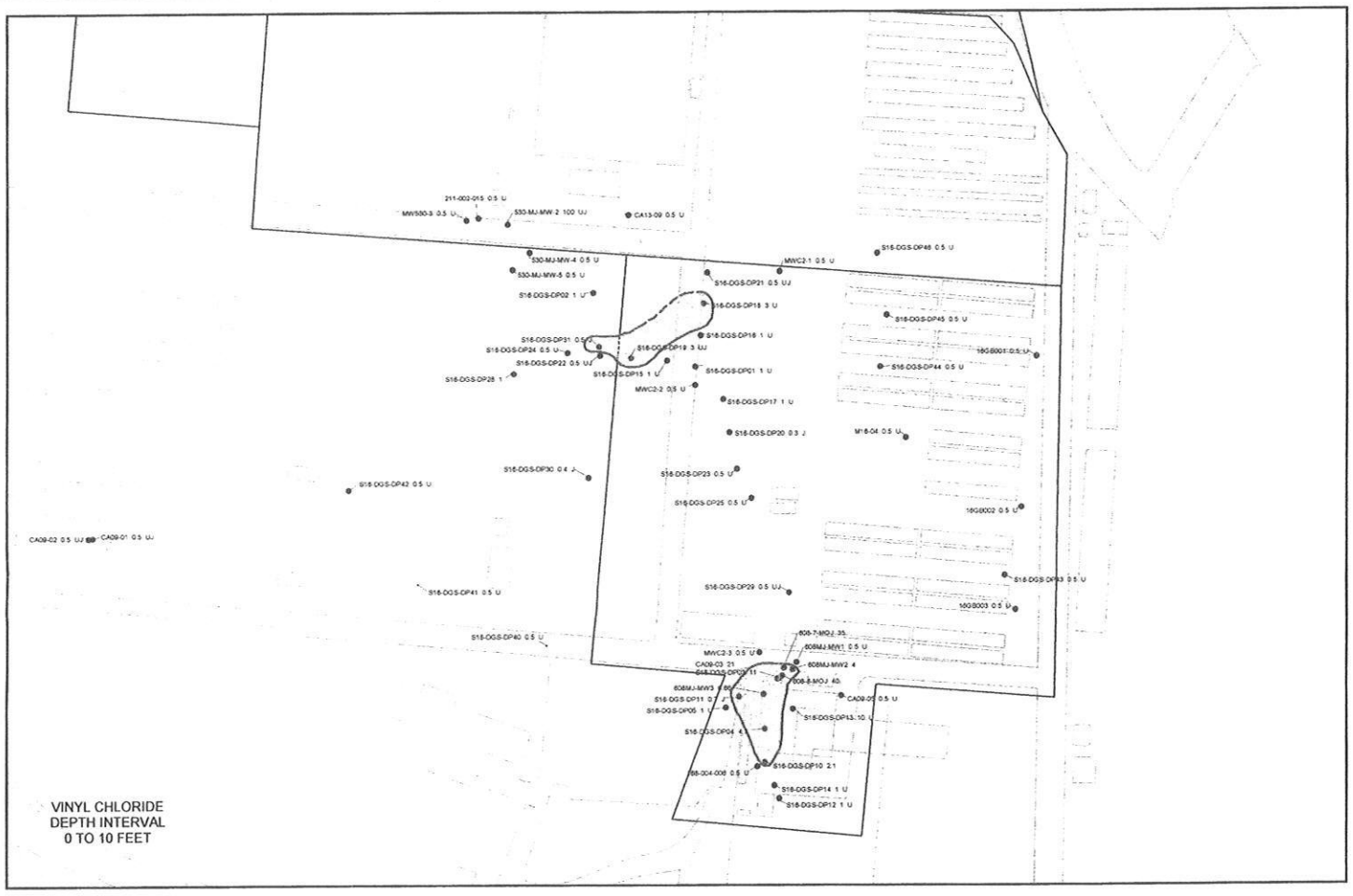
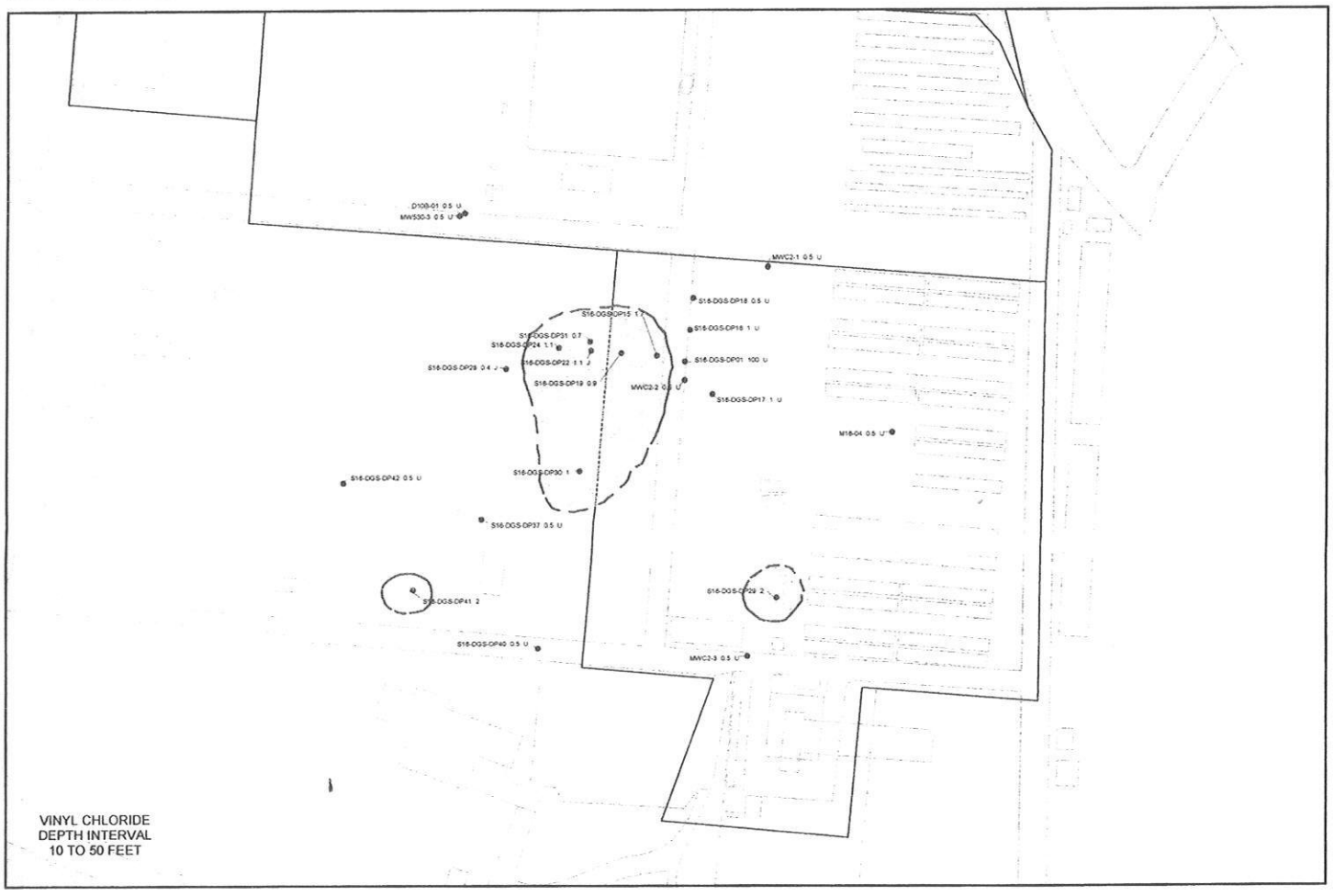
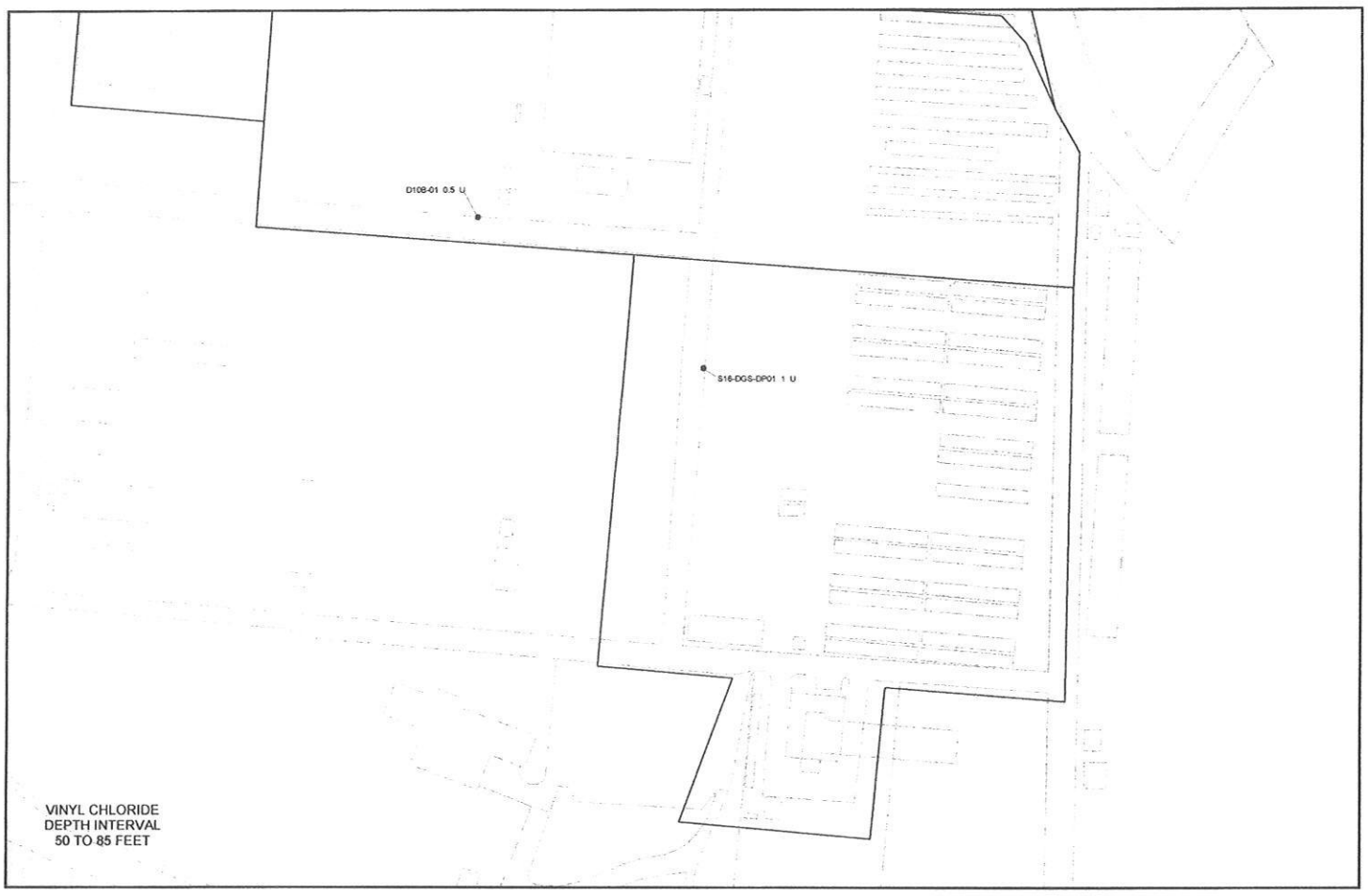






LEGEND
- SAMPLING LOCATIONS IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- CERCLA SITE BOUNDARIES
- LAND COVER
- GROUNDWATER ABOVE MCL
- MCL LINE FOR VINYL CHLORIDE

NOTE:
MAXIMUM CONTAMINANT LEVEL FOR VINYL CHLORIDE = 0.5 ug/L

ALL RESULTS ARE REPORTED IN ug/L

QUALIFIERS
U- NON-DETECT
J - ESTIMATED VALUE

POINT NAME / CONCENTRATION / QUALIFIER
S06-DGS-DP09 0.05 U

N

120 0 120 240
SCALE: 1" = 120'

FIGURE 2.1-44
GROUNDWATER CONTAMINATION PLUME DELINEATION
VINYL CHLORIDE
CERCLA SITE 16
ALAMEDA, CALIFORNIA
MAY, 2002

Tetra Tech EM Inc.

DS.0385.15645

LEGEND

- SAMPLING LOCATION IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATIONS BELOW THE MCL
- VINYL CHLORIDE PLUME
- ENVIRONMENTAL BASELINE SURVEY PARCEL BOUNDARY
- LAND COVER

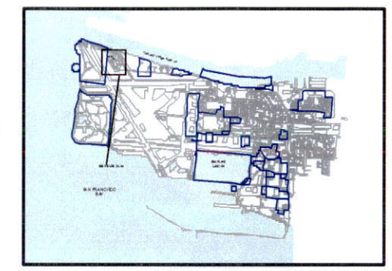
QUALIFIERS
U- NON-DETECT
J - ESTIMATED

BGS = BELOW GROUND SURFACE

SAMPLE DATE: AUGUST 2001

ALL RESULTS REPORTED IN ug\L

ALAMEDA POINT VINYL CHLORIDE IN WATER SCREENING LEVEL = 0.5 ug\L



N

40 0 40 80

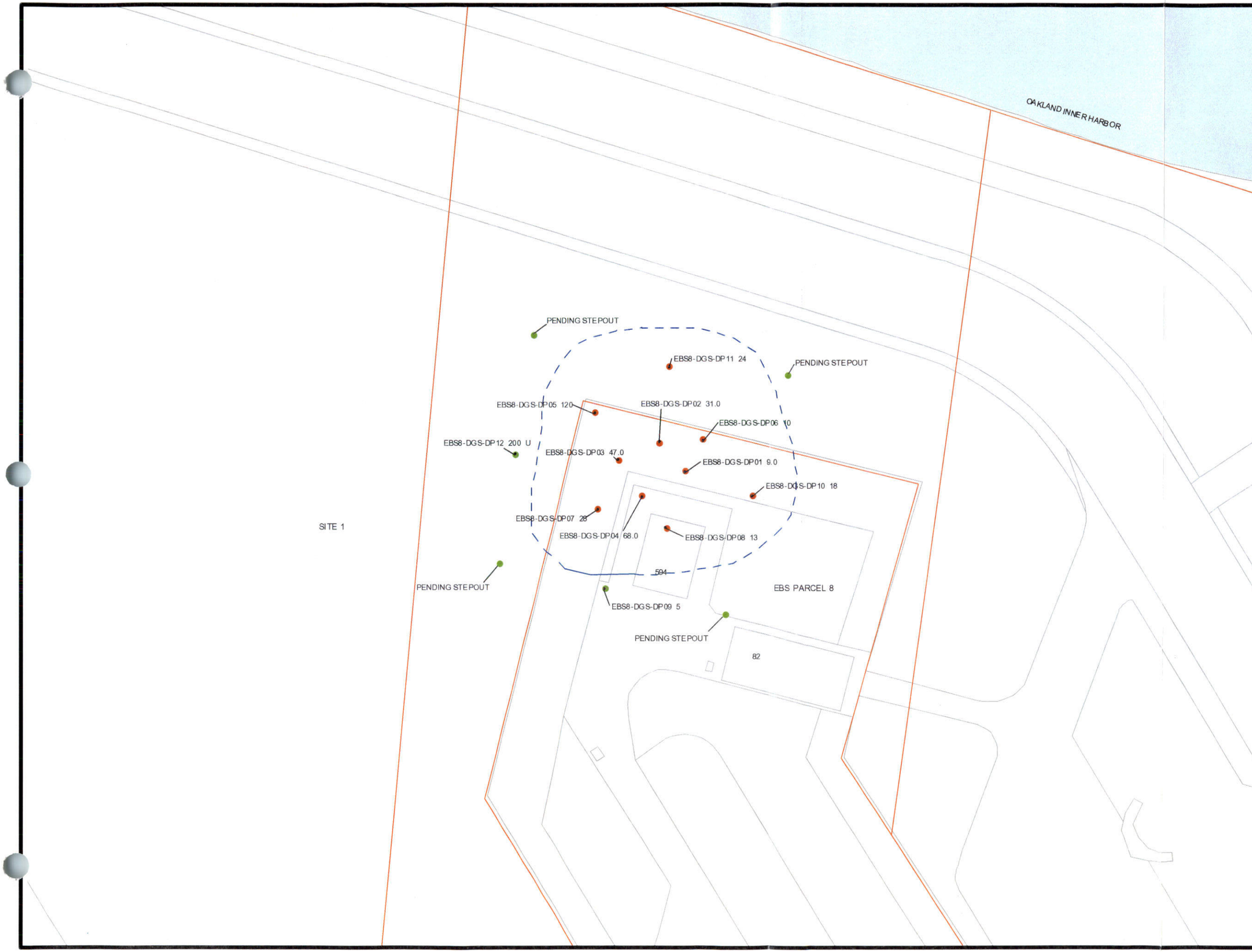
Scale: 1" = 80'

FIGURE 2.1-45
GROUNDWATER CONTAMINATION PLUME DELINEATION
VINYL CHLORIDE, EBS PARCEL 8
SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA , CALIFORNIA
MAY 2002

Tetra Tech EM Inc.

DS.0385.15645

U:\ALMDA_SA\CTO385\DGS_CHRIS\MLW_CHLORDANE_RIBBION.APR TPM 5/17/02



LEGEND

- SAMPLING LOCATION IN EXCEEDANCE OF THE MCL
- SAMPLING LOCATION BELOW THE MCL
- 1,2 DCE PLUME
- ENVIRONMENTAL BASELINE SURVEY PARCEL BOUNDARY
- LAND COVER

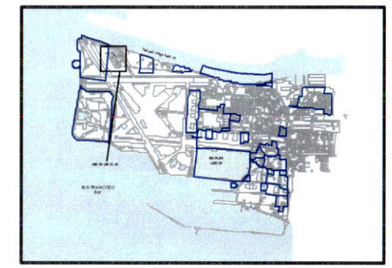
QUALIFIERS
U- NON-DETECT
J - ESTIMATED

BGS = BELOW GROUND SURFACE

SAMPLE DATE: AUGUST 2001

ALL RESULTS REPORTED IN ug\L

ALAMEDA POINT 1,2-DICHLOROETHENE IN WATER SCREENING LEVEL = 6.0 ug\L



N

40 0 40 80

Scale: 1" = 80'

FIGURE 2.1-46
GROUNDWATER CONTAMINATION PLUME DELINEATION
1,2-DICHLOROETHENE, EBS PARCEL 8
SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MAY 2002

Tetra Tech EM Inc.

DS.0385.15645

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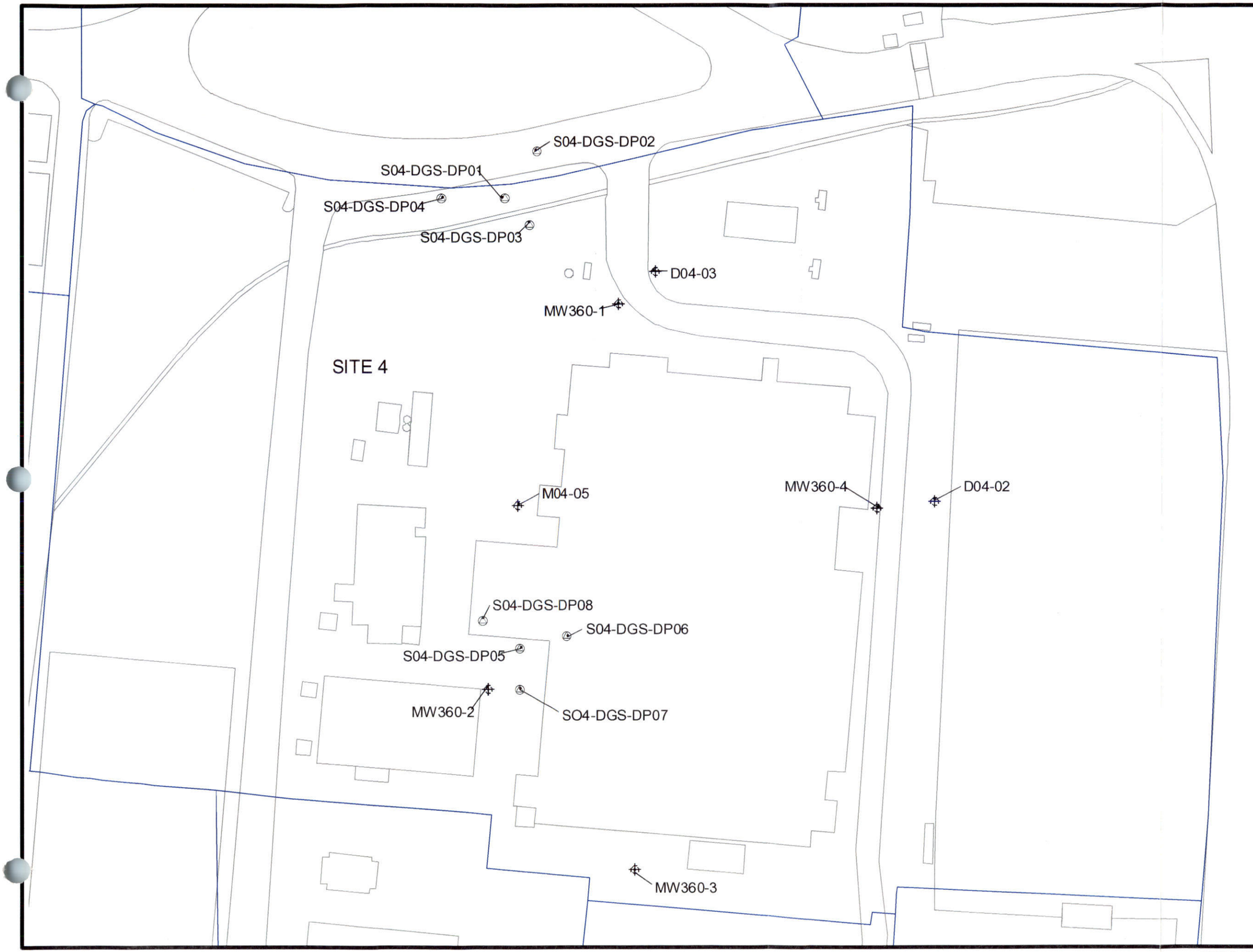
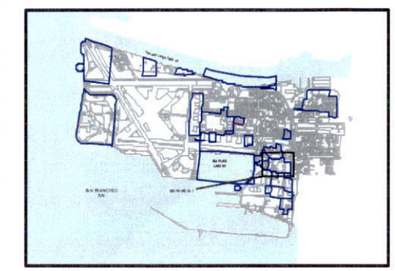


LEGEND

- RIBBON NAPL SAMPLE LOCATION
- MULTI-LEVEL GROUNDWATER SAMPLE LOCATION
- CERCLA SITE BOUNDARY
- LAND COVER



N

50 0 50 100

Scale: 1" = 100'

FIGURE 2.2-1
DNAPL INVESTIGATION
RIBBON NAPL AND
MULTI-LEVEL WELL SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA , CALIFORNIA
MAY 2002

Tetra Tech EM Inc.

DS.0385.15645

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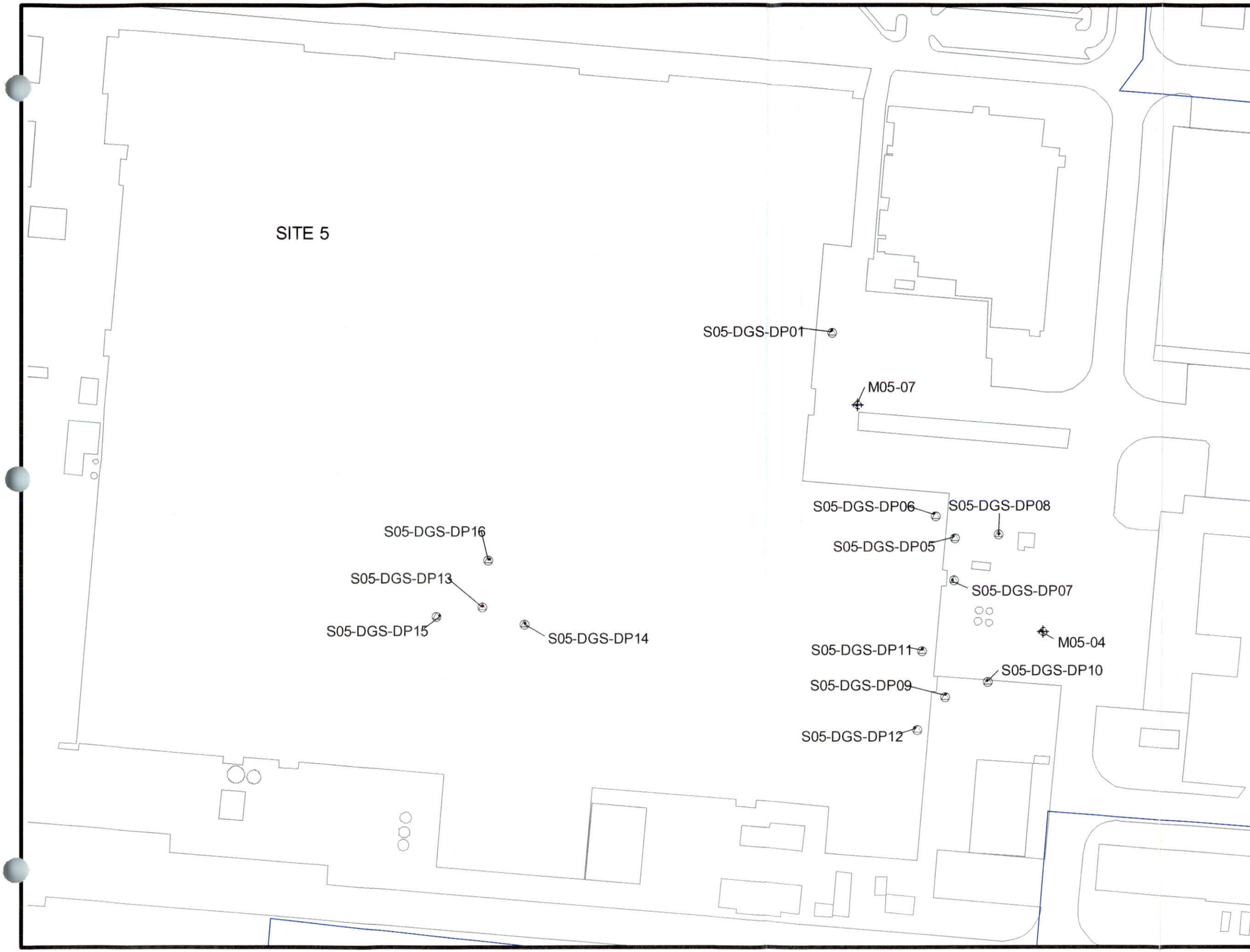
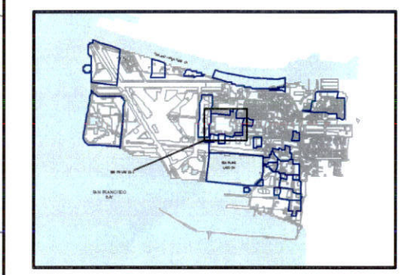


LEGEND

- RIBBON NAPL SAMPLE LOCATION
- MULTI-LEVEL GROUNDWATER LOCATION
- CERCLA SITE BOUNDARY
- LAND COVER



N

50 0 50 100

Scale: 1" = 100'

FIGURE 2.2-2
DNAPL INVESTIGATION
RIBBON NAPL AND MULTI-LEVEL WELL SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA , CALIFORNIA
MAY 2002

Tetra Tech EM Inc.

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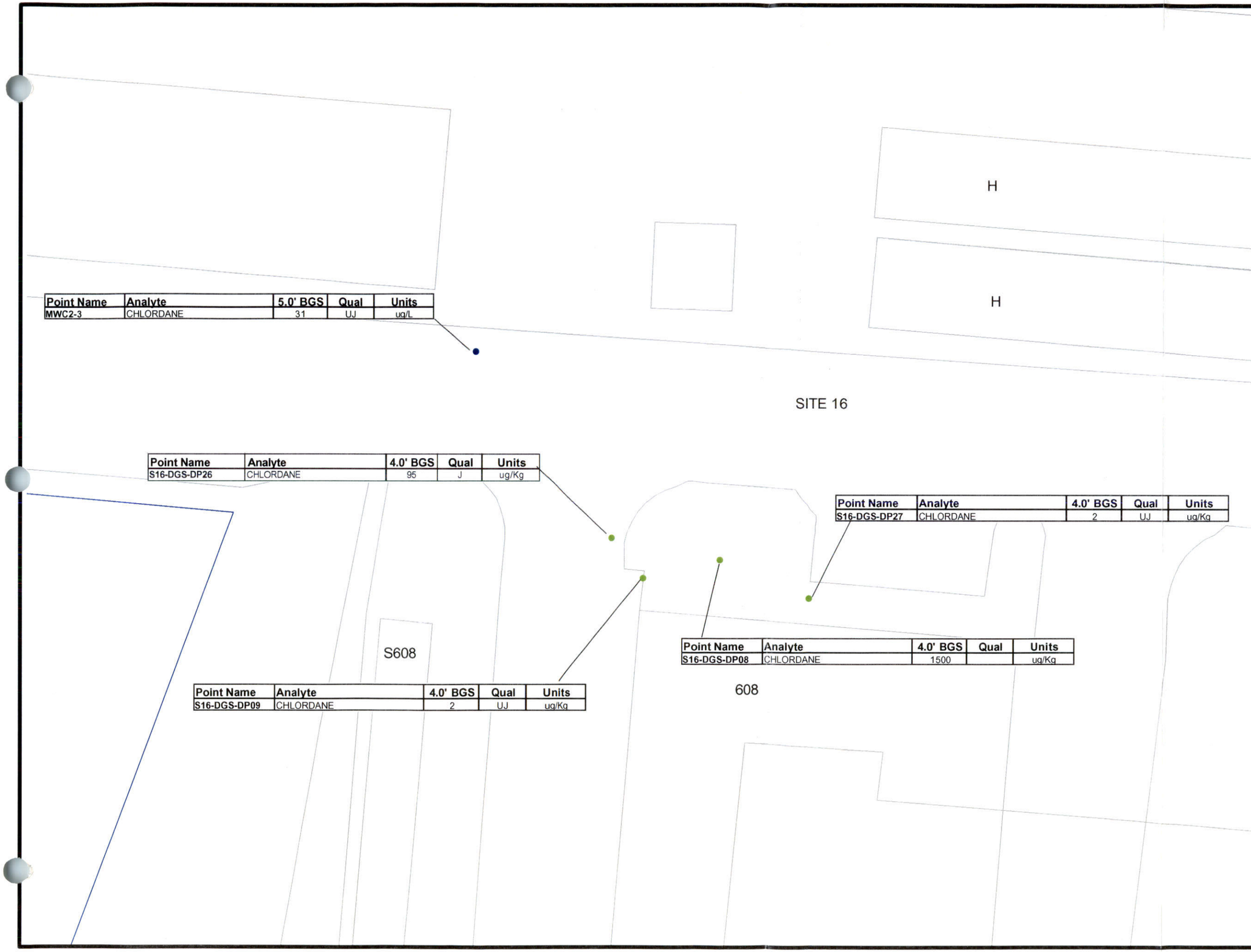


Point Name	Analyte	5.0' BGS	Qual	Units
MWC2-3	CHLORDANE	31	UJ	ug/L

Point Name	Analyte	4.0' BGS	Qual	Units
S16-DGS-DP26	CHLORDANE	95	J	ug/Kg

Point Name	Analyte	4.0' BGS	Qual	Units
S16-DGS-DP27	CHLORDANE	2	UJ	ug/Kg

Point Name	Analyte	4.0' BGS	Qual	Units
S16-DGS-DP08	CHLORDANE	1500		ug/Kg

Point Name	Analyte	4.0' BGS	Qual	Units
S16-DGS-DP09	CHLORDANE	2	UJ	ug/Kg

LEGEND

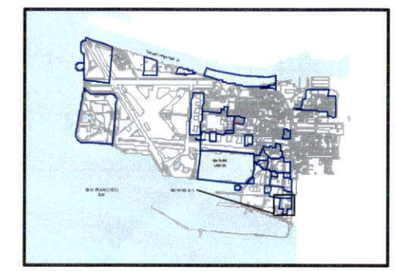
- TECHNICAL CHLORDANE WATER SAMPLE LOCATION
- TECHNICAL CHLORDANE SOIL SAMPLE LOCATION
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY PARCEL BOUNDARY
- LAND COVER

QUALIFIERS
U- NON-DETECT
J - ESTIMATED

SAMPLE DATE: JUNE 2001 THROUGH OCTOBER 2001

PRG IN SOIL FOR CHLORDANE = 1600 ug/Kg

MCL IN GROUNDWATER = 0.1 ug/L



N

40 0 40 80

Scale: 1" = 80'

FIGURE 2.3-1
CHLORDANE CONTAMINATION
CERCLA SITE 16
SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA , CALIFORNIA
MAY 2002

Tetra Tech EM Inc.

DS.0385.15645

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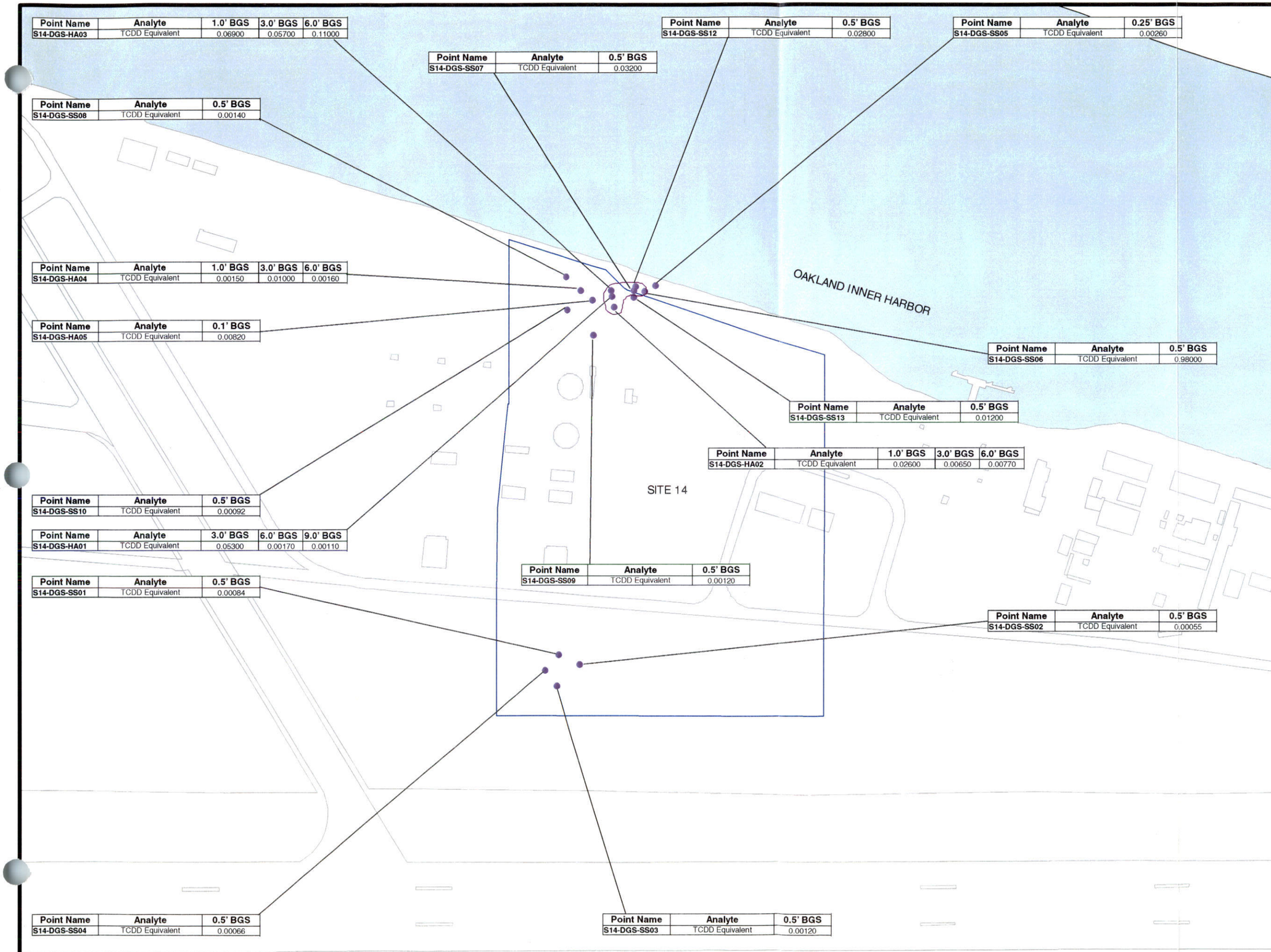


Point Name	Analyte	1.0' BGS	3.0' BGS	6.0' BGS
S14-DGS-HA03	TCDD Equivalent	0.06900	0.05700	0.11000

Point Name	Analyte	0.5' BGS
S14-DGS-SS12	TCDD Equivalent	0.02800

Point Name	Analyte	0.25' BGS
S14-DGS-SS05	TCDD Equivalent	0.00260

Point Name	Analyte	0.5' BGS
S14-DGS-SS07	TCDD Equivalent	0.03200

Point Name	Analyte	0.5' BGS
S14-DGS-SS08	TCDD Equivalent	0.00140

Point Name	Analyte	1.0' BGS	3.0' BGS	6.0' BGS
S14-DGS-HA04	TCDD Equivalent	0.00150	0.01000	0.00160

Point Name	Analyte	0.1' BGS
S14-DGS-HA05	TCDD Equivalent	0.00820

Point Name	Analyte	0.5' BGS
S14-DGS-SS06	TCDD Equivalent	0.98000

Point Name	Analyte	0.5' BGS
S14-DGS-SS13	TCDD Equivalent	0.01200

Point Name	Analyte	1.0' BGS	3.0' BGS	6.0' BGS
S14-DGS-HA02	TCDD Equivalent	0.02600	0.00650	0.00770

Point Name	Analyte	0.5' BGS
S14-DGS-SS10	TCDD Equivalent	0.00092

Point Name	Analyte	3.0' BGS	6.0' BGS	9.0' BGS
S14-DGS-HA01	TCDD Equivalent	0.05300	0.00170	0.00110

Point Name	Analyte	0.5' BGS
S14-DGS-SS09	TCDD Equivalent	0.00120

Point Name	Analyte	0.5' BGS
S14-DGS-SS01	TCDD Equivalent	0.00084

Point Name	Analyte	0.5' BGS
S14-DGS-SS02	TCDD Equivalent	0.00055

Point Name	Analyte	0.5' BGS
S14-DGS-SS04	TCDD Equivalent	0.00066

Point Name	Analyte	0.5' BGS
S14-DGS-SS03	TCDD Equivalent	0.00120

LEGEND

- DIOXIN SOIL SAMPLES
- CERCLA SITE BOUNDARIES
- LAND COVER
- SOIL BOUNDARY EXCEEDING SCREENING LEVEL

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE

BGS = BELOW GROUND SURFACE

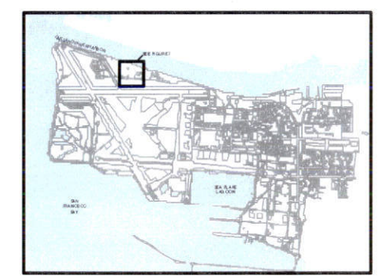
SAMPLE DATE: JUNE THROUGH SEPTEMBER 2001

ALL RESULTS REPORTED IN ug/Kg

TCDD EQUIVELENT = TETRA CHLORO DIBENZO DIOXIN

EQUIVELENT TOXICITY OF ALL DIOXINS IN RELATION TO TETRA CHLORO DIBENZO DIOXIN THE DIOXIN WITH THE HIGHEST HUMAN HEALTH RISKS

ACTION LEVEL = 0.013 ug/Kg



N

100 0 100 200

SCALE: 1" = 200'

FIGURE 2.4-1
SITE 14
SOIL DIOXIN
SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MARCH 2002

Tetra Tech EM Inc.

DS.0385.15645

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Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA06	LEAD	11.7	J	17.3	J	mg/Kg
	AROCLOR-1260 (PCB-1260)	98		60	U	ug/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA07	LEAD	17.7	J	5.1	J	mg/Kg
	AROCLOR-1260 (PCB-1260)	210		41	U	ug/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA05	LEAD	26.3	J	25.1		mg/Kg
	AROCLOR-1260 (PCB-1260)	44		120		ug/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA08	LEAD	21.4		4.4		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA03	LEAD	19.4	J	4.7	J	mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA09	LEAD	9.2		13.8		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA01	LEAD	12.9	J	9.6	J	mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA10	LEAD	6.4		5.8		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA11	LEAD	16.1		8		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA12	LEAD	6.9		7.7		mg/Kg
	OTHER PCBs	N.D.				

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA13	LEAD	9.4		9.8		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA02	LEAD	113	J	9.9	J	mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA04	LEAD	26.5	J	25.3	J	mg/Kg
	AROCLOR-1260 (PCB-1260)	69		86		ug/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA15	LEAD	21.2		5.6		mg/Kg
	AROCLOR-1260 (PCB-1260)	360		27	J	ug/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA16	LEAD	124		12.2		mg/Kg
	AROCLOR-1260 (PCB-1260)	870		26	J	ug/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA17	LEAD	233		12.4		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA14	LEAD	21.3		9.4		mg/Kg
	OTHER PCBs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	2.0' BGS	Qual	Units
S15-DGS-HA18	LEAD	32		13.1		mg/Kg
	OTHER PCBs	N.D.		N.D.		

PCB

PCB

LEAD

OAKLAND INNER HARBOR

SITE 15

LEGEND

- LEAD AND PCBs SOIL SAMPLES
- CERCLA SITE BOUNDARIES
- LAND COVER
- SOIL BOUNDARY EXCEEDING SCREENING LEVEL

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE

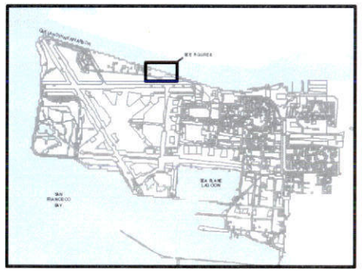
OTHER PCBs: N.D.
COMPOUNDS NOT DETECTED ABOVE LABORATORY DETECTION LIMIT

BGS = BELOW GROUND SURFACE

SAMPLE DATE: JUNE THROUGH SEPTEMBER 2001

PCB ACTION LEVEL = 200 ug/Kg

LEAD ACTION LEVEL = 218 mg/Kg



N

50 0 50 100

SCALE: 1" = 100'

FIGURE 2.4-2
SITE 15
LEAD AND PCB
SOIL SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MARCH 2002

Tetra Tech EM Inc.

DS.0385.15645

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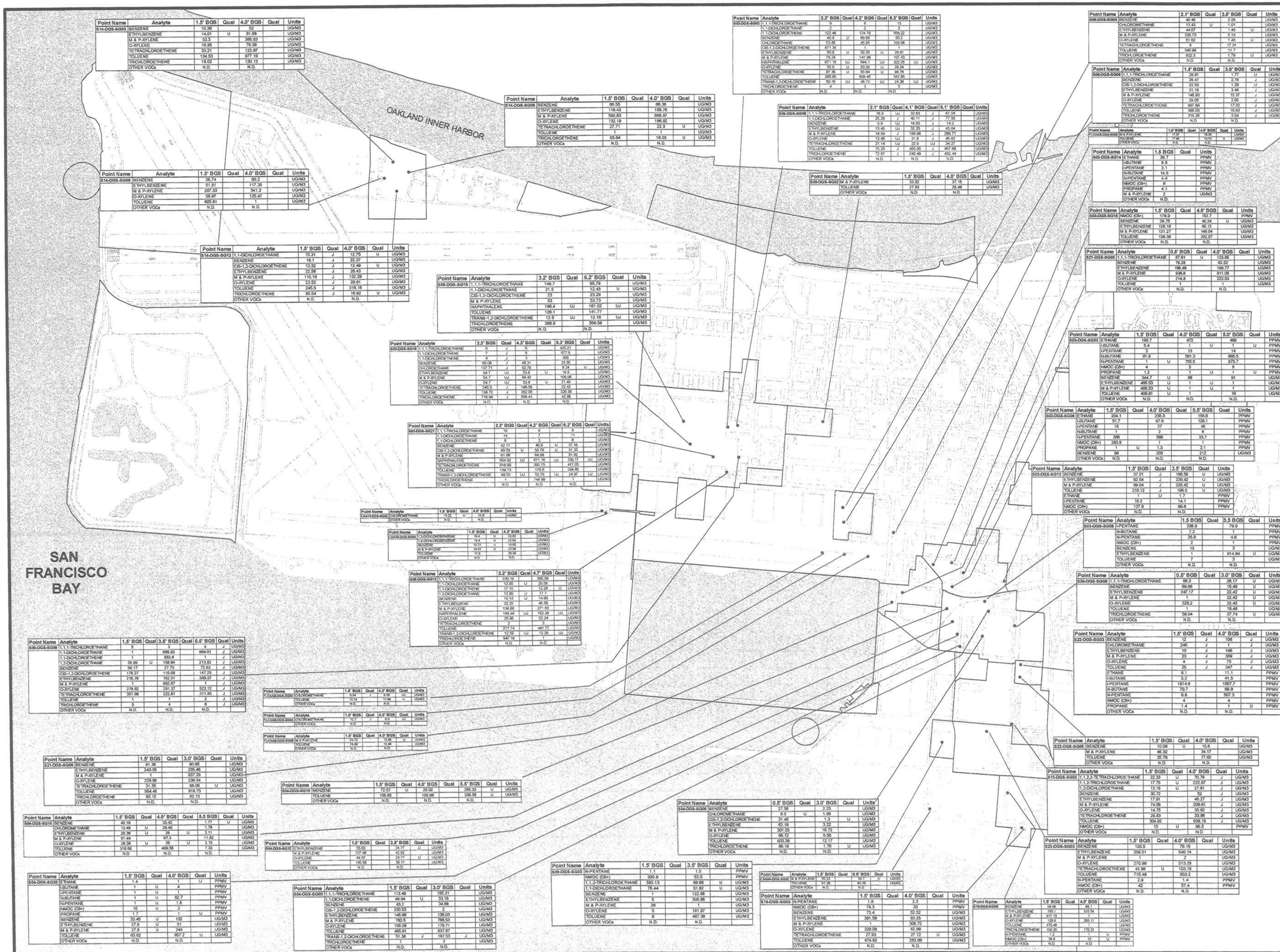

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S14-DGS-SG03	BENZENE	10.36		52		UG/M3
	ETHYLBENZENE	14.01	U	81.58		UG/M3
	M & P-XYLENE	53.3		386.83		UG/M3
	O-XYLENE	16.95		79.36		UG/M3
	TETRACHLOROETHENE	33.21		123.97		UG/M3
	TOLUENE	134.53		977.19		UG/M3
	TRICHLOROETHENE	18.02		130.13		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S14-DGS-SG06	BENZENE	66.55		66.36		UG/M3
	ETHYLBENZENE	116.43		186.76		UG/M3
	M & P-XYLENE	593.83		868.87		UG/M3
	O-XYLENE	132.19		186.92		UG/M3
	TETRACHLOROETHENE	27.71		22.9	U	UG/M3
	TOLUENE	1		1		UG/M3
	TRICHLOROETHENE	55.84		18.03	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	2.2' BGS	Qual	4.2' BGS	Qual	6.2' BGS	Qual	Units
S05-DGS-SG03	1,1,1-TRICHLOROETHANE	9		8		13		UG/M3
	1,1-DICHLOROETHANE	2		2		3		UG/M3
	1,1-DICHLOROETHENE	122.46		124.76		558.22		UG/M3
	BENZENE	40.9	U	69.68		50.2		UG/M3
	CHLOROETHANE	53.65		45.95		103.08		UG/M3
	CIS-1,2-DICHLOROETHENE	671.34		1		1		UG/M3
	ETHYLBENZENE	55.6	U	53.35	U	26.91		UG/M3
	M & P-XYLENE	78.24		141.98		107.43		UG/M3
	NAPHTHALENE	671.16	UJ	644.1	UJ	322.05	UJ	UG/M3
	O-XYLENE	55.6	U	53.35	U	28.24		UG/M3
	TETRACHLOROETHENE	87.36	U	83.84	U	98.76		UG/M3
	TOLUENE	265.65		609.45		542.65		UG/M3
	TRANS-1,2-DICHLOROETHENE	50.76	UJ	48.72	UJ	24.36	UJ	UG/M3
	TRICHLOROETHENE	4		3		5		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	2.1' BGS	Qual	4.1' BGS	Qual	6.1' BGS	Qual	Units
S06-DGS-SG06	1,1,1-TRICHLOROETHANE	16.9	UJ	32.63	J	67.04		UG/M3
	1,1-DICHLOROETHANE	25.29	J	40.11	J	77.55		UG/M3
	BENZENE	9.9	UJ	18.83	J	14.2		UG/M3
	ETHYLBENZENE	13.45	UJ	32.25	J	43.04		UG/M3
	M & P-XYLENE	18.59	J	169.98	J	269.71		UG/M3
	O-XYLENE	13.45	UJ	31.6	J	46.62		UG/M3
	TETRACHLOROETHENE	21.14	UJ	22.9	UJ	34.27		UG/M3
	TOLUENE	70.23	J	455.95	J	457.68		UG/M3
	TRICHLOROETHENE	72.87	J	242.49	J	432.44		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S06-DGS-SG02	M & P-XYLENE	33.82		37.15		UG/M3
	TOLUENE	27.83		28.49		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	2.1' BGS	Qual	3.5' BGS	Qual	Units
S06-DGS-SG03	BENZENE	40.48		2.28		UG/M3
	CHLOROMETHANE	13.43	U	1.01		UG/M3
	ETHYLBENZENE	44.07		1.45	U	UG/M3
	M & P-XYLENE	236.73		5.13		UG/M3
	O-XYLENE	51.62		1.45	U	UG/M3
	TETRACHLOROETHENE	6		17.31		UG/M3
	TOLUENE	540.98		11.7		UG/M3
	TRICHLOROETHENE	922.3		1.79	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.0' BGS	Qual	Units
S06-DGS-SG08	1,1,1-TRICHLOROETHANE	26.91		1.77	U	UG/M3
	BENZENE	26.47		2.76	J	UG/M3
	CIS-1,2-DICHLOROETHENE	22.53		1.29	U	UG/M3
	ETHYLBENZENE	31.16		3.48	J	UG/M3
	M & P-XYLENE	146.93		15.37	J	UG/M3
	O-XYLENE	29.05		2.65	J	UG/M3
	TETRACHLOROETHENE	697.69		17.02	J	UG/M3
	TOLUENE	368.03		16.63	J	UG/M3
	TRICHLOROETHENE	315.25		3.04	J	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
FLCAA8-DGS-SG08	M & P-XYLENE	17.97		19.25		UG/M3
	TOLUENE	17.46		12.74	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5 BGS	Qual	Units
S03-DGS-SG14	ETHANE	26.7		PPMV
	I-BUTANE	8.8		PPMV
	I-PENTANE	3.1		PPMV
	N-BUTANE	14.5		PPMV
	N-PENTANE	4.4		PPMV
	NMOC (C6+)	8		PPMV
	PROPANE	4.1		PPMV
	M & P-XYLENE	2		UG/M3
	OTHER VOCs	N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S14-DGS-SG09	BENZENE	38.74		60.2		UG/M3
	ETHYLBENZENE	51.81		117.35		UG/M3
	M & P-XYLENE	287.33		541.3		UG/M3
	O-XYLENE	58.97		125.87		UG/M3
	TOLUENE	605.61		1		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S03-DGS-SG16	NMOC (C6+)	178.9		152.7		PPMV
	BENZENE	29.75		40.24	U	UG/M3
	ETHYLBENZENE	126.16		60.12		UG/M3
	M & P-XYLENE	131.27		148.04		UG/M3
	TOLUENE	138.38		202.07		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S14-DGS-SG12	1,1-DICHLOROETHANE	15.31	J	12.75	U	UG/M3
	BENZENE	16.1	J	22.37		UG/M3
	CIS-1,2-DICHLOROETHENE	13.32	J	12.49	U	UG/M3
	ETHYLBENZENE	22.56	J	28.43		UG/M3
	M & P-XYLENE	110.16	J	132.29		UG/M3
	O-XYLENE	23.52	J	29.61		UG/M3
	TOLUENE	245.5	J	316.16		UG/M3
	TRICHLOROETHENE	65.54	J	16.92	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	4.0' BGS	Qual	Units
S21-DGS-SG03	1,1,1-TRICHLOROETHANE	67.61	U	133.85		UG/M3
	BENZENE	78.28		62.52		UG/M3
	ETHYLBENZENE	198.48		169.77		UG/M3
	M & P-XYLENE	936.6		811.06		UG/M3
	O-XYLENE	214.8		223.03		UG/M3
	TOLUENE	1		1		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	3.2' BGS	Qual	6.2' BGS	Qual	Units
S05-DGS-SG15	1,1,1-TRICHLOROETHANE	148.7		65.79		UG/M3
	1,1-DICHLOROETHANE	21.5		12.43	U	UG/M3
	CIS-1,2-DICHLOROETHENE	23		23.29		UG/M3
	M & P-XYLENE	53		53.73		UG/M3
	NAPHTHALENE	166.4	UJ	161.02	UJ	UG/M3
	TOLUENE	126.1		141.77		UG/M3
	TRANS-1,2-DICHLOROETHENE	12.6	UJ	12.18	UJ	UG/M3
	TRICHLOROETHENE	388.9		358.58		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	5.0' BGS	Qual	Units
S03-DGS-SG03	ETHANE	190.7		473		469		PPMV
	I-BUTANE	5.4		1	U	1	U	PPMV
	I-PENTANE	3		13		14		PPMV
	N-BUTANE	91.9		591.3		665.5		PPMV
	N-PENTANE	1	U	755.5		873.7		PPMV
	NMOC (C6+)	4		5		6		PPMV
	PROPANE	1.2		1	U	1	U	PPMV
	BENZENE	344.7	U	66		91		UG/M3
	ETHYLBENZENE	468.53	U	1	U	1		UG/M3
	M & P-XYLENE	468.53	U	1	U	1		UG/M3
	TOLUENE	406.61	U	1		16		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	2.3' BGS	Qual	4.3' BGS	Qual	6.3' BGS	Qual	Units
S05-DGS-SG18	1,1,1-TRICHLOROETHANE	6	J	5		425.21		UG/M3
	1,1-DICHLOROETHANE	7	J	6		677.8		UG/M3
	1,1-DICHLOROETHENE	4	J	3		936		UG/M3
	BENZENE	50.08	J	46.31		25.55		UG/M3
	CHLOROETHANE	137.71	J	92.79		8.24	U	UG/M3
	ETHYLBENZENE	54.7	UJ	53.8	U	19.9		UG/M3
	M & P-XYLENE	54.7	UJ	88.42		106.06		UG/M3
	O-XYLENE	54.7	UJ	53.8	U	21.43		UG/M3
	TETRACHLOROETHENE	245.5	J	198.58		22.43		UG/M3
	TOLUENE	138.72	J	262.05		328.36		UG/M3
	TRICHLOROETHENE	716.89	J	558.41		42.88		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	5.5' BGS	Qual	Units
S03-DGS-SG06	ETHANE	204.1		238.3		158.8		PPMV
	I-BUTANE	51.7		67.9		126.1		PPMV
	I-PENTANE	18		27		48		PPMV
	N-BUTANE	1		2		6		PPMV
	N-PENTANE	386		588		33.7		PPMV
	NMOC (C6+)	283.8		1		1		PPMV
	PROPANE	1	U	1.3		2.1		PPMV
	BENZENE	89		203		212		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	2.2' BGS	Qual	4.2' BGS	Qual	6.2' BGS	Qual	Units
S05-DGS-SG21	1,1,1-TRICHLOROETHANE	10		6		8		UG/M3
	1,1-DICHLOROETHANE	14		7		11		UG/M3
	1,1-DICHLOROETHENE	6		3		6		UG/M3
	BENZENE	42.11		40.9	U	37.18	U	UG/M3
	CIS-1,2-DICHLOROETHENE	49.53	U	50.76	U	31.33		UG/M3
	M & P-XYLENE	61.66		64.98		91.62		UG/M3
	NAPHTHALENE	654.92	UJ	671.16	UJ	330.17	UJ	UG/M3
	TETRACHLOROETHENE	618.89		392.75		417.03		UG/M3
	TOLUENE	139.73		179.6		294.85		UG/M3
	TRANS-1,2-DICHLOROETHENE	49.53	UJ	50.76	UJ	24.97	UJ	UG/M3
	TRICHLOROETHENE	1		744.99		1		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.5' BGS	Qual	Units
S03-DGS-SG12	BENZENE	37.21	J	166.58	U	UG/M3
	ETHYLBENZENE	62.54	J	226.42	U	UG/M3
	M & P-XYLENE	99.04	J	226.42	U	UG/M3
	TOLUENE	216.12	J	196.5	U	UG/M3
	ETHANE	1	U	1.7		PPMV
	I-PENTANE	16.2		14.1		PPMV
	NMOC (C6+)	137.9		89.8		PPMV
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
CAA10-DGS-SG02	CHLOROMETHANE	13.22	U	13.9		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
CAA10-DGS-SG04	1,3-DICHLOROBENZENE	19.4	U	23.63		UG/M3
	1,4-DICHLOROBENZENE	19.4	U	23.04		UG/M3
	BENZENE	10.31	U	18.06		UG/M3
	M & P-XYLENE	14.01	U	23.06		UG/M3
	TOLUENE	17.9		28.98		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5 BGS	Qual	3.5 BGS	Qual	Units
S03-DGS-SG09	I-PENTANE	338.9		79.9		PPMV
	N-BUTANE	7.2		1		PPMV
	N-PENTANE	26.8		4.6		PPMV
	NMOC (C6+)	2		1		PPMV
	BENZENE	13		3		UG/M3
	ETHYLBENZENE	1		914.64	U	UG/M3
	TOLUENE	7		3		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	2.2' BGS	Qual	4.7' BGS	Qual	Units
S05-DGS-SG12	1,1,1-TRICHLOROETHANE	220.19		365.99		UG/M3
	1,1-DICHLOROETHANE	12.85	U	20.56		UG/M3
	1,1-DICHLOROETHENE	17.15		12.28	U	UG/M3
	1,2-DICHLOROETHANE	12.85	U	17.7		UG/M3
	BENZENE	10.14	U	14.99		UG/M3
	ETHYLBENZENE	22.25		46.56		UG/M3
	M & P-XYLENE	136.66		271.83		UG/M3
	NAPHTHALENE	166.44	UJ	162.36	UJ	UG/M3
	O-XYLENE	25.96		52.24		UG/M3
	TETRACHLOROETHENE	2		3		UG/M3
	TOLUENE	217.74		491.77		UG/M3
	TRANS-1,2-DICHLOROETHENE	12.59	UJ	12.28	UJ	UG/M3
	TRICHLOROETHENE	947.18		1		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	3.0' BGS	Qual	Units
S04-DGS-SG09	1,1,1-TRICHLOROETHANE	66.3		28.17	U	UG/M3
	BENZENE	69.86		16.49	U	UG/M3
	ETHYLBENZENE	247.17		22.42	U	UG/M3
	M & P-XYLENE	1		22.42	U	UG/M3
	O-XYLENE	326.2		22.42	U	UG/M3
	TOLUENE	1		19.46		UG/M3
	TRICHLOROETHENE	56.04		27.74	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.5' BGS	Qual	5.5' BGS	Qual	Units
S05-DGS-SG09	1,1,1-TRICHLOROETHANE	5		3		4	J	UG/M3
	1,1-DICHLOROETHANE	1		685.83		964.01	J	UG/M3
	1,1-DICHLOROETHENE	1		883.6		1	J	UG/M3
	1,2-DICHLOROETHANE	26.95	U	158.94		213.82	J	UG/M3
	BENZENE	58.17		27.73		72.63	J	UG/M3
	CIS-1,2-DICHLOROETHENE	179.27		110.09		147.25	J	UG/M3
	ETHYLBENZENE	216.79		162.51		309.37	J	UG/M3
	M & P-XYLENE	1		992.87		1	J	UG/M3
	O-XYLENE	276.62		281.37		523.12	J	UG/M3
	TETRACHLOROETHENE	351.66		222.61		311.85	J	UG/M3
	TOLUENE	1		1		2	J	UG/M3
	TRICHLOROETHENE	5		4		6	J	UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S22-DGS-SG03	BENZENE	12	J	106	J	UG/M3
	CHLOROMETHANE	240	J	1	J	UG/M3
	ETHYLBENZENE	10	J	146	J	UG/M3
	M & P-XYLENE	23	J	369	J	UG/M3
	O-XYLENE	4	J	75	J	UG/M3
	TOLUENE	25	J	247	J	UG/M3
	ETHANE	8.1		11.1		PPMV
	I-BUTANE	5.2		41.5		PPMV
	I-PENTANE	1914.6		1657.7		PPMV
	N-BUTANE	70.7		69.9		PPMV
	N-PENTANE	8.6		507.3		PPMV
	NMOC (C6+)	4		4		PPMV
	PROPANE	1.4		1	U	PPMV
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
FLCAA8-DGS-SG02	CHLOROMETHANE	6.84	J	6.56	UJ	UG/M3
	TOLUENE	12.13		11.96	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
FLCAA8-DGS-SG04	CHLOROMETHANE	12.7	J	6.5	UJ	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
FLCAA8-DGS-SG06	M & P-XYLENE	23.73		13.66	U	UG/M3
	TOLUENE	19.09		13.46		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.0' BGS	Qual	Units
S21-DGS-SG06	BENZENE	41.36		90.95		UG/M3
	ETHYLBENZENE	243.55		235.46		UG/M3
	M & P-XYLENE	1		937.33		UG/M3
	O-XYLENE	229.66		236.54		UG/M3
	TETRACHLOROETHENE	31.55		88.06	U	UG/M3
	TOLUENE	564.48		918.73		UG/M3
	TRICHLOROETHENE	93.15		82.13		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S22-DGS-SG05	BENZENE	10.06	U	10.8		UG/M3
	M & P-XYLENE	46.32		34.17		UG/M3
	TOLUENE	35.78		77.62		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	5.5' BGS	Qual	Units
S04-DGS-SG18	BENZENE	72.57	U	20.02		265.33	U	UG/M3
	TOLUENE	106.65		105.89		336.58	U	UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S13-DGS-SG03	1,1,2,2-TETRACHLOROETHANE	22.33	U	70.79	J	UG/M3
	1,1,2-TRICHLOROETHANE	17.75	U	222.67	J	UG/M3
	1,2-DICHLOROETHANE	13.16	U	27.61	J	UG/M3
	BENZENE	30.72		52	J	UG/M3
	ETHYLBENZENE	17.91		48.27	J	UG/M3
	M & P-XYLENE	74.56		209.61	J	UG/M3
	O-XYLENE	14.75		35.62	J	UG/M3
	TETRACHLOROETHENE	28.83		33.86	J	UG/M3
	TOLUENE	304.82		938.15	J	UG/M3
	NMOC (C6+)	10	U	95.5		PPMV
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	0.5' BGS	Qual	3.0' BGS	Qual	Units
S04-DGS-SG06	BENZENE	27.56		2.25		UG/M3
	CHLOROMETHANE	6.5	U	1.95		UG/M3
	CIS-1,2-DICHLOROETHENE	31.48		1.3	U	UG/M3
	ETHYLBENZENE	62.18		3.22		UG/M3
	M & P-XYLENE	301.03		16.72		UG/M3
	O-XYLENE	66.12		5.56		UG/M3
	TOLUENE	633.36		12.17		UG/M3
	TRICHLOROETHENE	86.18		1.76	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	5.5 BGS	Qual	Units
S04-DGS-SG15	BENZENE	40.19		33.42		1.77	U	UG/M3
	CHLOROMETHANE	13.49	U	29.45		1.79		UG/M3
	ETHYLBENZENE	28.36	U	26	U	3.11		UG/M3
	M & P-XYLENE	81.44		97.3		11.82		UG/M3
	O-XYLENE	28.36	U	26	U	3.15		UG/M3
	TOLUENE	319.56		409.56		7.33		UG/M3
	OTHER VOCs	N.D.		N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S23-DGS-SG03	BENZENE	103.5		79.16		UG/M3
	ETHYLBENZENE	359.51		540.14		UG/M3
	M & P-XYLENE	1		2		UG/M3
	O-XYLENE	270.99		513.29		UG/M3
	TETRACHLOROETHENE	42.98	U	103.18		UG/M3
	TOLUENE	715.48		833.2		UG/M3
	N-PENTANE	2.9		1.4		PPMV
	NMOC (C6+)	42		57.4		PPMV
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.5' BGS	Qual	Units
S04-DGS-SG12	ETHYLBENZENE	53.63		24.77	U	UG/M3
	M & P-XYLENE	227.98		42.92		UG/M3
	O-XYLENE	64.57		24.77	U	UG/M3
	TOLUENE	195.58		39.17		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.5' BGS	Qual	Units
S09-DGS-SG03	N-PENTANE	1.1		1.5		PPMV
	NMOC (C6+)	300.8		53.5		PPMV
	1,1,2-TRICHLOROETHANE	593.13		69.86	U	UG/M3
	1,1-DICHLOROETHANE	78.44		51.82	U	UG/M3
	BENZENE	1		122.86		UG/M3
	ETHYLBENZENE	5		308.86		UG/M3
	M & P-XYLENE	26		1		UG/M3
	O-XYLENE	5		181.97		UG/M3
	TOLUENE	8		487.39		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	5.5' BGS	Qual	Units
CAA8A-DGS-SG02	M & P-XYLENE	50.23		54.7	U	UG/M3
	TOLUENE	81.26		63.26		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S04-DGS-SG20	ETHANE	1.4		1	U	PPMV
	I-BUTANE	1	U	4		PPMV
	I-PENTANE	1	U	1		PPMV
	N-BUTANE	1	U	62.7		PPMV
	N-PENTANE	1	U	1.8		PPMV
	NMOC (C6+)	10	U	2		PPMV
	PROPANE	1.7		1	U	PPMV
	BENZENE	20.45	U	132		UG/M3
	ETHYLBENZENE	27.8	U	51		UG/M3
	M & P-XYLENE	27.8	U	244		UG/M3
	TOLUENE	63.62		957.2	U	UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	3.0' BGS	Qual	Units
S04-DGS-SG03	1,1,1-TRICHLOROETHANE	113.49		192.21		UG/M3
	1,1-DICHLOROETHENE	49.94	U	33.18		UG/M3
	BENZENE	43.2		34.68		UG/M3
	CIS-1,2-DICHLOROETHENE	230.53		2		UG/M3
	ETHYLBENZENE	146.89		136.03		UG/M3
	M & P-XYLENE	760.5		788.53		UG/M3
	O-XYLENE	158.06		178.71		UG/M3
	TOLUENE	495.81		637.87		UG/M3
	TRANS-1,2-DICHLOROETHENE	51.38	J	197.53	J	UG/M3
	TRICHLOROETHENE	1		2		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S16-DGS-SG03	N-PENTANE	1.9		2.3		PPMV
	NMOC (C6+)	74.3		20		PPMV
	BENZENE	73.4		52.52		UG/M3
	ETHYLBENZENE	361.58		83.25		UG/M3
	M & P-XYLENE	1		306.72		UG/M3
	O-XYLENE	329.08		62.99		UG/M3
	TETRACHLOROETHENE	27.93		27.12	U	UG/M3
	TOLUENE	674.92		263.69		UG/M3
	OTHER VOCs	N.D.		N.D.		

Point Name	Analyte	1.5' BGS	Qual	4.0' BGS	Qual	Units
S16-DGS-SG06	BENZENE	58.58		86.1		UG/M3
	ETHYLBENZENE	165.1		333.54		UG/M3
	M & P-XYLENE	617.13		1		UG/M3
	O-XYLENE	129.6		293.11		UG/M3
	TOLUENE	470.49		1		UG/M3
	TRICHLOROETHENE	100.25		170.31		UG/M3
	N-PENTANE	1.2		1	U	PPMV
	NMOC (C6+)	38.6		10	U	PPMV
	OTHER VOCs	N.D.		N.D.		

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- LAND COVER

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE

OTHER VOCs: N.D.
COMPOUNDS NOT DETECTED ABOVE LABORATORY DETECTION LIMIT

BGS = BELOW GROUND SURFACE

SAMPLE DATE: JULY 2001

N

500 0 500 1000

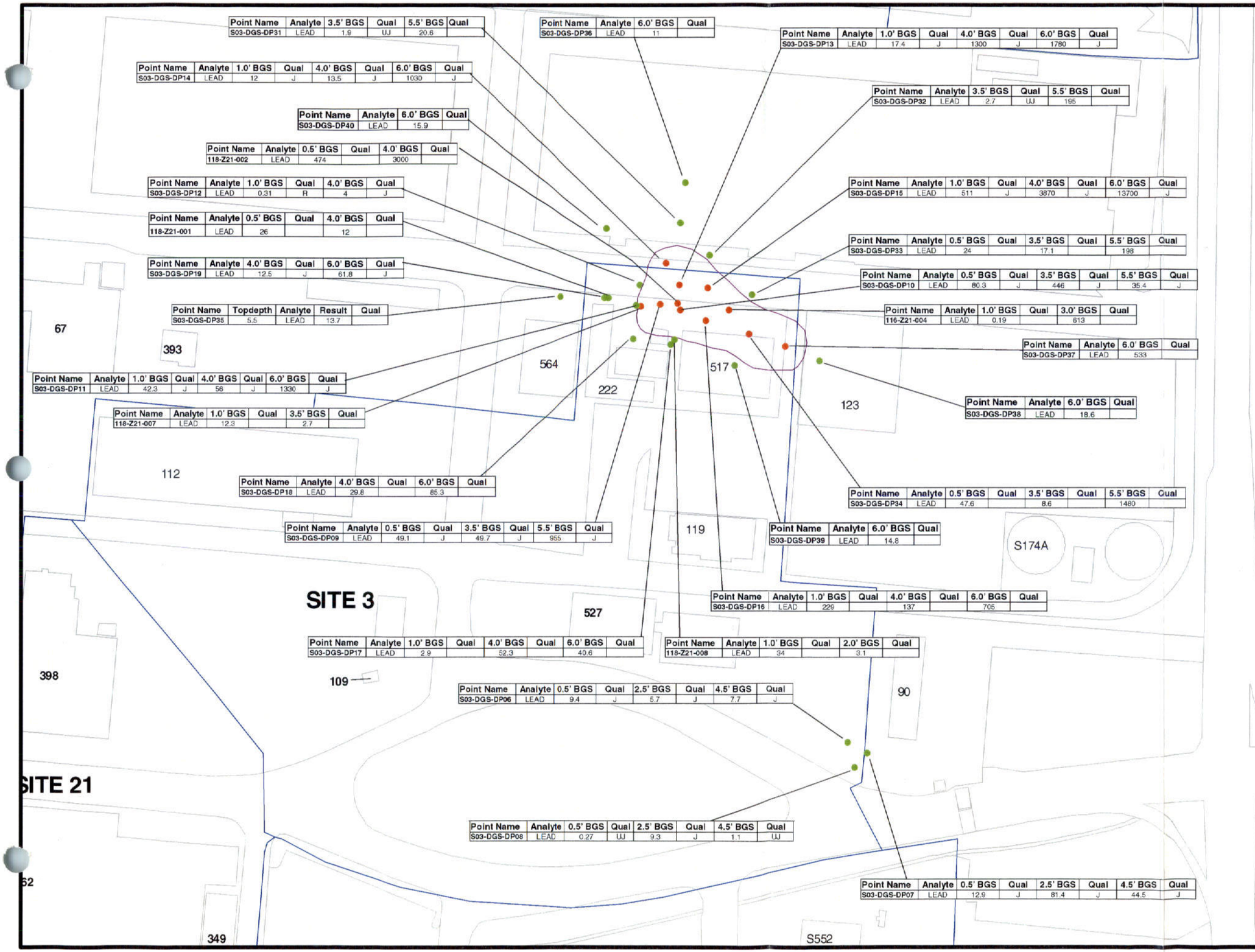
SCALE: 1" = 500'

FIGURE 2.5-1
BASEWIDE SOIL GAS SAMPLING LOCATIONS TO SUPPORT RISK ASSESMENT
ALAMEDA POINT
ALAMEDA, CALIFORNIA
APRIL 2002

Tetra Tech EM Inc.

DS.0385.15645

U:ALMDA_SA\STO385\DGS_CHRIS\DGS_SUMMARY_REPORT.APR TPM 5/16/02



Point Name	Analyte	3.5' BGS	Qual	5.5' BGS	Qual
S03-DGS-DP31	LEAD	1.9	UJ	20.6	

Point Name	Analyte	6.0' BGS	Qual
S03-DGS-DP36	LEAD	11	

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP13	LEAD	17.4	J	1300	J	1780	J

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP14	LEAD	12	J	13.5	J	1030	J

Point Name	Analyte	3.5' BGS	Qual	5.5' BGS	Qual
S03-DGS-DP32	LEAD	2.7	UJ	195	

Point Name	Analyte	6.0' BGS	Qual
S03-DGS-DP40	LEAD	15.9	

Point Name	Analyte	0.5' BGS	Qual	4.0' BGS	Qual
118-Z21-002	LEAD	474		3000	

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP15	LEAD	511	J	3870	J	13700	J

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual
S03-DGS-DP12	LEAD	0.31	R	4	J

Point Name	Analyte	0.5' BGS	Qual	4.0' BGS	Qual
118-Z21-001	LEAD	26		12	

Point Name	Analyte	0.5' BGS	Qual	3.5' BGS	Qual	5.5' BGS	Qual
S03-DGS-DP33	LEAD	24		17.1		198	

Point Name	Analyte	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP19	LEAD	12.5	J	61.8	J

Point Name	Analyte	0.5' BGS	Qual	3.5' BGS	Qual	5.5' BGS	Qual
S03-DGS-DP10	LEAD	80.3	J	446	J	35.4	J

Point Name	Topdepth	Analyte	Result	Qual
S03-DGS-DP35	5.5	LEAD	13.7	

Point Name	Analyte	1.0' BGS	Qual	3.0' BGS	Qual
116-Z21-004	LEAD	0.19		613	

Point Name	Analyte	6.0' BGS	Qual
S03-DGS-DP37	LEAD	533	

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP11	LEAD	42.3	J	56	J	1330	J

Point Name	Analyte	6.0' BGS	Qual
S03-DGS-DP38	LEAD	18.6	

Point Name	Analyte	1.0' BGS	Qual	3.5' BGS	Qual
118-Z21-007	LEAD	12.3		2.7	

Point Name	Analyte	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP18	LEAD	29.8		85.3	

Point Name	Analyte	0.5' BGS	Qual	3.5' BGS	Qual	5.5' BGS	Qual
S03-DGS-DP34	LEAD	47.6		8.6		1480	

Point Name	Analyte	0.5' BGS	Qual	3.5' BGS	Qual	5.5' BGS	Qual
S03-DGS-DP09	LEAD	49.1	J	49.7	J	955	J

Point Name	Analyte	6.0' BGS	Qual
S03-DGS-DP39	LEAD	14.8	

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP16	LEAD	229		137		705	

Point Name	Analyte	1.0' BGS	Qual	4.0' BGS	Qual	6.0' BGS	Qual
S03-DGS-DP17	LEAD	2.9		52.3		40.6	

Point Name	Analyte	1.0' BGS	Qual	2.0' BGS	Qual
118-Z21-008	LEAD	34		3.1	

Point Name	Analyte	0.5' BGS	Qual	2.5' BGS	Qual	4.5' BGS	Qual
S03-DGS-DP06	LEAD	9.4	J	5.7	J	7.7	J

Point Name	Analyte	0.5' BGS	Qual	2.5' BGS	Qual	4.5' BGS	Qual
S03-DGS-DP08	LEAD	0.27	UJ	9.3	J	1.1	UJ

Point Name	Analyte	0.5' BGS	Qual	2.5' BGS	Qual	4.5' BGS	Qual
S03-DGS-DP07	LEAD	12.9	J	81.4	J	44.5	J

LEGEND

- SOIL BOUNDARY EXCEEDING SCREENING LEVEL
- DATA GAP SOIL LEAD LOCATIONS IN EXCEEDENCE OF THE SOIL SCREENING LEVEL
- DATA GAP SOIL LEAD LOCATIONS NOT IN EXCEEDENCE OF THE SOIL SCREENING LEVEL
- CERCLA SITE BOUNDARIES
- LAND COVER

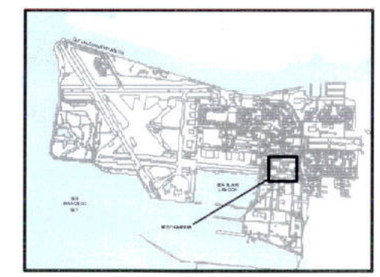
QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE
R- REJECTED

BGS = BELOW GROUND SURFACE

SAMPLE DATE: NOVEMBER 2001 THROUGH FEBRUARY 2002

ALL RESULTS REPORTED IN mg/Kg

ALAMEDA POINT LEAD IN SOIL SCREENING LEVEL = 207 mg/Kg



N

60 0 60 120

SCALE: 1" = 120'

FIGURE 2.6-1
METALS INVESTIGATION
EXTENT OF LEAD IN SOIL
AT SITE 3
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MARCH 2002

Tetra Tech EM Inc.

DS.0385.15645

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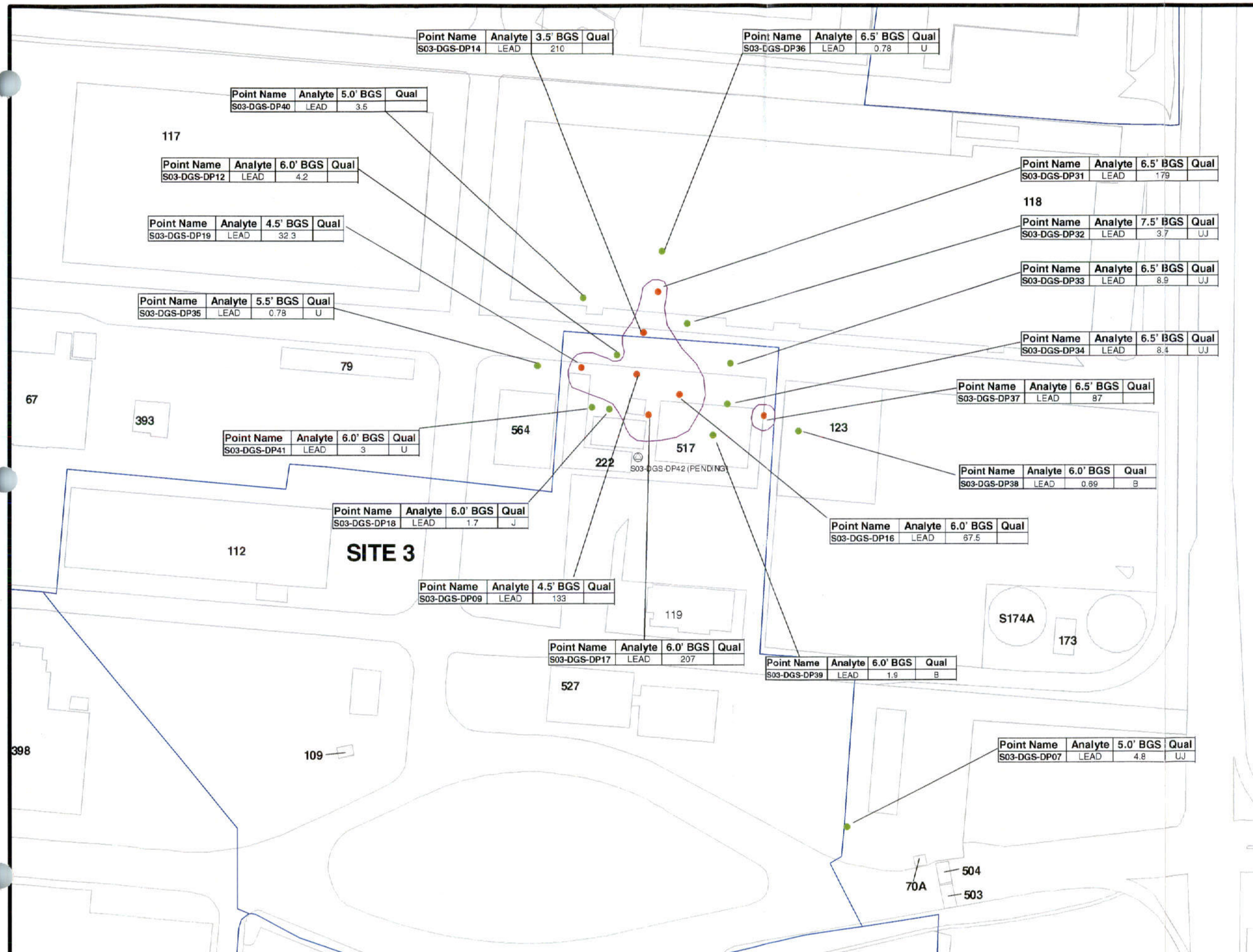


LEGEND

- GROUNDWATER BOUNDARY EXCEEDING MAXIMUM CONTAMINANT LEVEL (MCL)
- DATA GAP GROUNDWATER LEAD LOCATIONS IN EXCEEDENCE
- DATA GAP SOIL GROUNDWATER LOCATIONS NOT IN EXCEEDENCE
- CERCLA SITE BOUNDARIES
- LAND COVER

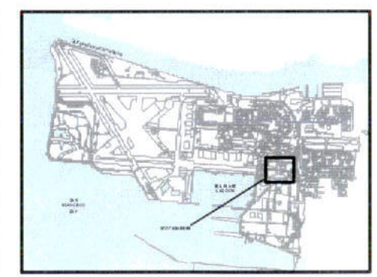
QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE
R- REJECTED

BGS = BELOW GROUND SURFACE

SAMPLE DATE: NOVEMBER 2001 THROUGH FEBRUARY 2002

ALL RESULTS REPORTED IN ug/L

MCL FOR LEAD IN GROUNDWATER = 15 ug/L



N

60 0 60 120

SCALE: 1" = 120'

FIGURE 2.6-2
METALS INVESTIGATION
EXTENT OF LEAD IN GROUNDWATER
AT SITE 3
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MARCH 2002

Tetra Tech EM Inc.

DS.0385.15645

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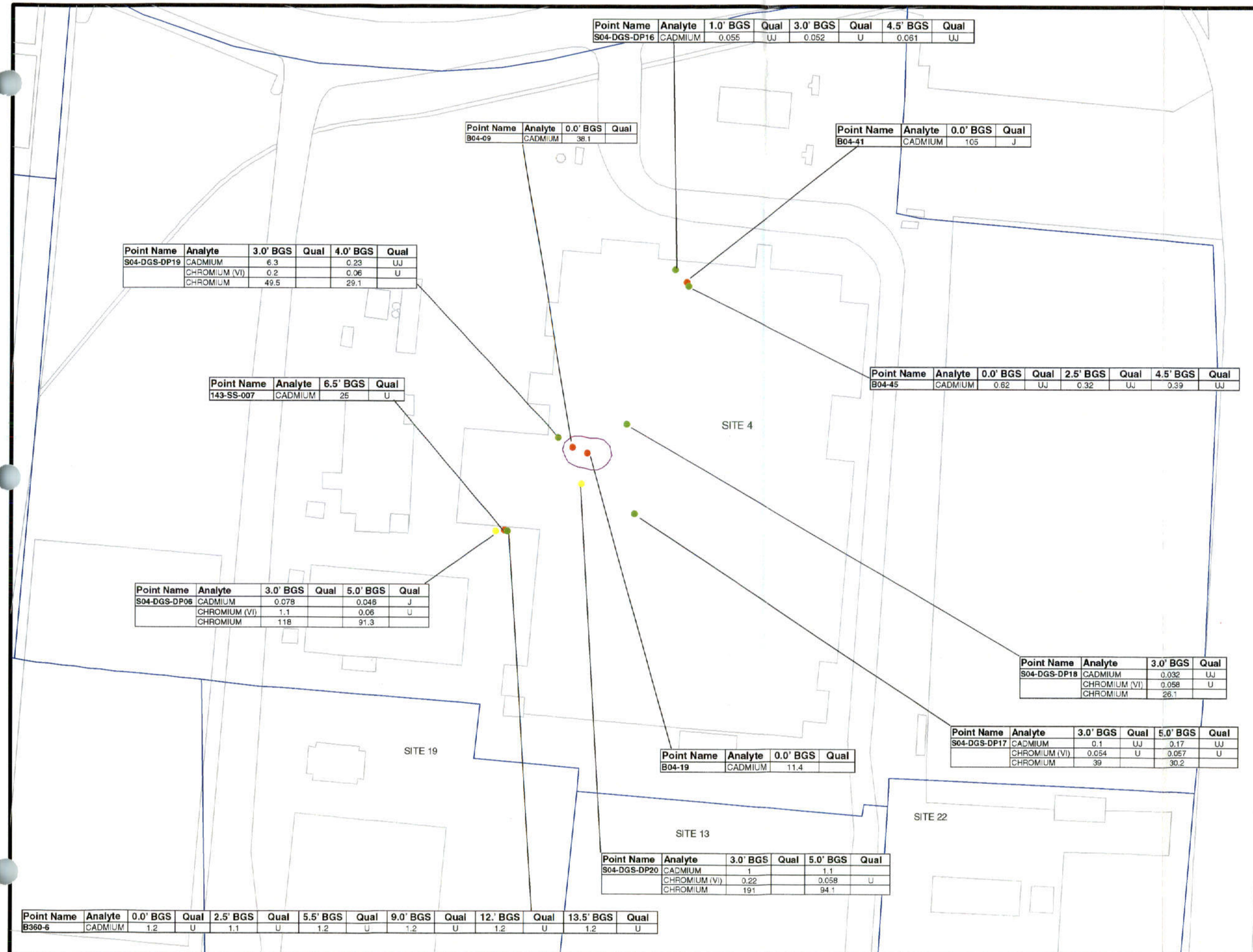


Point Name	Analyte	1.0' BGS	Qual	3.0' BGS	Qual	4.5' BGS	Qual
S04-DGS-DP16	CADMIUM	0.055	UJ	0.052	U	0.061	UJ

Point Name	Analyte	0.0' BGS	Qual
B04-09	CADMIUM	38.1	

Point Name	Analyte	0.0' BGS	Qual
B04-41	CADMIUM	105	J

Point Name	Analyte	3.0' BGS	Qual	4.0' BGS	Qual
S04-DGS-DP19	CADMIUM	6.3		0.23	UJ
	CHROMIUM (VI)	0.2		0.06	U
	CHROMIUM	49.5		29.1	

Point Name	Analyte	6.5' BGS	Qual
143-SS-007	CADMIUM	25	U

Point Name	Analyte	0.0' BGS	Qual	2.5' BGS	Qual	4.5' BGS	Qual
B04-45	CADMIUM	0.62	UJ	0.32	UJ	0.39	UJ

Point Name	Analyte	3.0' BGS	Qual	5.0' BGS	Qual
S04-DGS-DP06	CADMIUM	0.078		0.046	J
	CHROMIUM (VI)	1.1		0.06	U
	CHROMIUM	118		91.3	

Point Name	Analyte	3.0' BGS	Qual
S04-DGS-DP18	CADMIUM	0.032	UJ
	CHROMIUM (VI)	0.058	U
	CHROMIUM	26.1	

Point Name	Analyte	3.0' BGS	Qual	5.0' BGS	Qual
S04-DGS-DP17	CADMIUM	0.1	UJ	0.17	UJ
	CHROMIUM (VI)	0.054	U	0.057	U
	CHROMIUM	39		30.2	

Point Name	Analyte	0.0' BGS	Qual
B04-19	CADMIUM	11.4	

Point Name	Analyte	3.0' BGS	Qual	5.0' BGS	Qual
S04-DGS-DP20	CADMIUM	1		1.1	
	CHROMIUM (VI)	0.22		0.058	U
	CHROMIUM	191		94.1	

Point Name	Analyte	0.0' BGS	Qual	2.5' BGS	Qual	5.5' BGS	Qual	9.0' BGS	Qual	12.' BGS	Qual	13.5' BGS	Qual
B360-6	CADMIUM	1.2	U	1.1	U	1.2	U	1.2	U	1.2	U	1.2	U

LEGEND

- SOIL BOUNDARY EXCEEDING SCREENING LEVEL
- SOIL CADMIUM LOCATIONS IN EXCEEDENCE
- SOIL CADMIUM LOCATIONS NOT IN EXCEEDENCE
- SOIL CHROMIUM (VI) LOCATIONS IN EXCEEDENCE OF CALIFORNIA MODIFIED PRG
- CERCLA SITE BOUNDARIES
- LAND COVER

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE
R- REJECTED

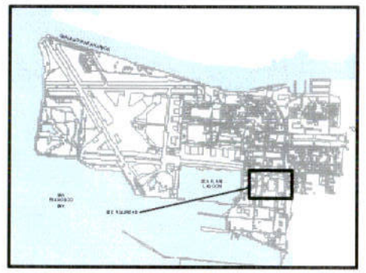
BGS = BELOW GROUND SURFACE

SAMPLE DATE: MAY 1991 THROUGH JUNE 2001

ALL RESULTS REPORTED IN mg/Kg

SCREENING LEVELS:
CADMIUM IN SOIL = 9.0 mg/Kg
*CHROMIUM (VI) IN SOIL = 0.2 mg/Kg

* IN THE ABSENCE OF CHROMIUM (VI) THE SCREENING LEVEL IS 100,000 mg/Kg (CHROMIUM III)



N

50 0 50 100

SCALE: 1" = 100'

FIGURE 2.6-3
METALS INVESTIGATION
EXTENT OF CADMIUM IN SOIL
AT SITE 4
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MARCH 2002

Tetra Tech EM Inc.

DS.0385.15645

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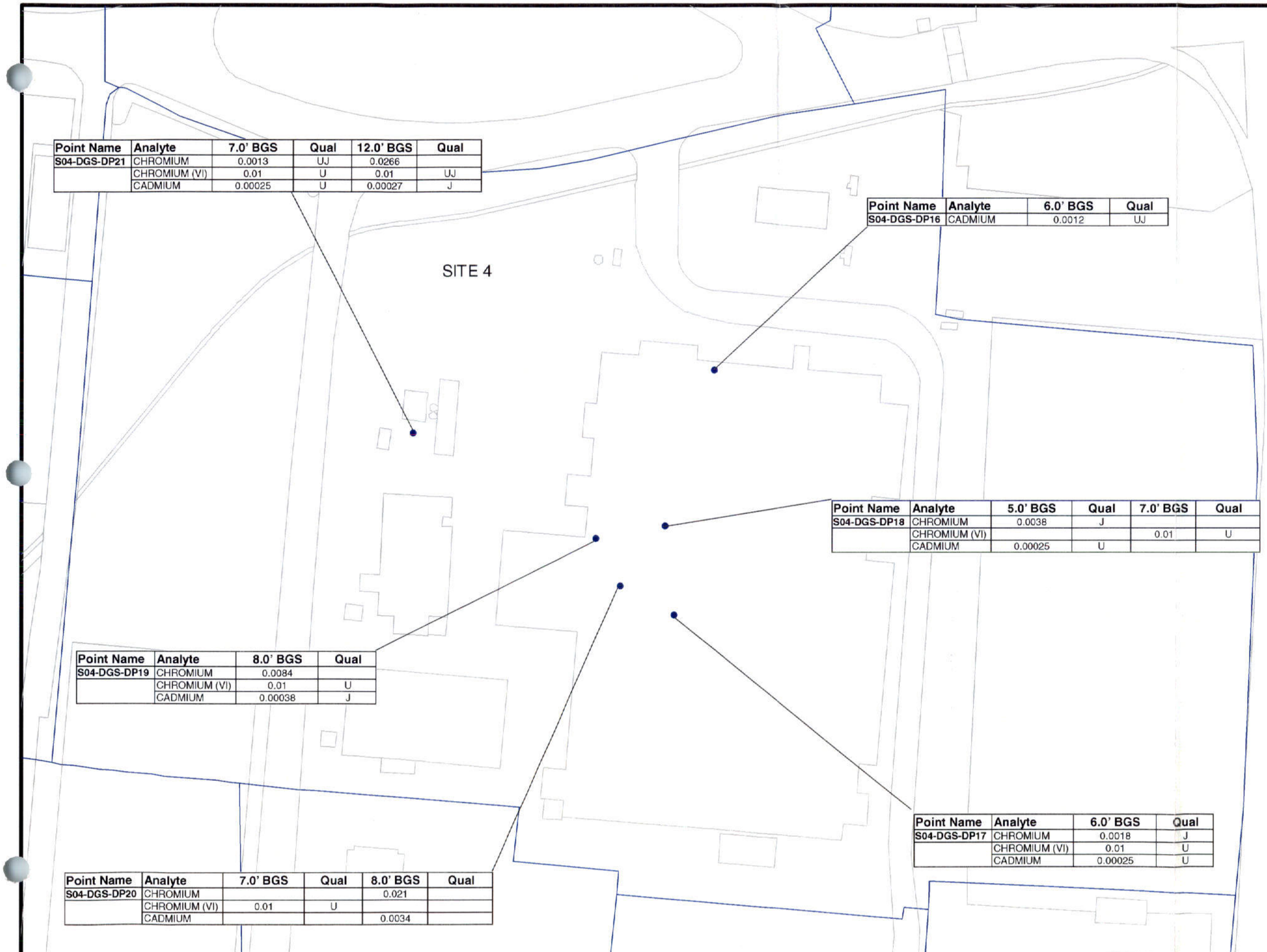


Point Name	Analyte	7.0' BGS	Qual	12.0' BGS	Qual
S04-DGS-DP21	CHROMIUM	0.0013	UJ	0.0266	
	CHROMIUM (VI)	0.01	U	0.01	UJ
	CADMIUM	0.00025	U	0.00027	J

Point Name	Analyte	6.0' BGS	Qual
S04-DGS-DP16	CADMIUM	0.0012	UJ

Point Name	Analyte	5.0' BGS	Qual	7.0' BGS	Qual
S04-DGS-DP18	CHROMIUM	0.0038	J		
	CHROMIUM (VI)			0.01	U
	CADMIUM	0.00025	U		

Point Name	Analyte	8.0' BGS	Qual
S04-DGS-DP19	CHROMIUM	0.0084	
	CHROMIUM (VI)	0.01	U
	CADMIUM	0.00038	J

Point Name	Analyte	6.0' BGS	Qual
S04-DGS-DP17	CHROMIUM	0.0018	J
	CHROMIUM (VI)	0.01	U
	CADMIUM	0.00025	U

Point Name	Analyte	7.0' BGS	Qual	8.0' BGS	Qual
S04-DGS-DP20	CHROMIUM			0.021	
	CHROMIUM (VI)	0.01	U		
	CADMIUM			0.0034	

LEGEND

- CADMIUM AND CHROMIUM WATER SAMPLES
- CERCLA SITE BOUNDARIES
- LANDCOVER

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE

BGS = BELOW GROUND SURFACE

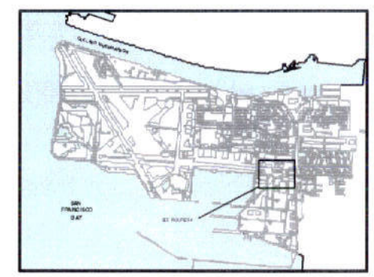
SAMPLE DATE: JUNE/JULY 2001

ALL RESULTS REPORTED IN ug/L

NOTE:

DUPLICATE CHROMIUM (VI) SAMPLES WERE ANALYZED USING A ALTERNATIVE ANALYTICAL METHOD WITH LOWER DETECTION LIMITS. THE LABORATORY IS AWAITING CERTIFICATION TO PERFORM THIS METHOD IN CALIFORNIA.

SCREENING LEVELS:
CADMIUM = 0.005 ug/L
CHROMIUM = 0.05 ug/L



N

50 0 50 100

SCALE: 1" = 100'

FIGURE 2.6-4
METALS INVESTIGATION IN GROUNDWATER
CHROMIUM AND CADMIUM
DATA GAP SAMPLING LOCATIONS
SITE 4
ALAMEDA POINT
ALAMEDA, CALIFORNIA
APRIL 2002

Tetra Tech EM Inc.

DS.0385.15645

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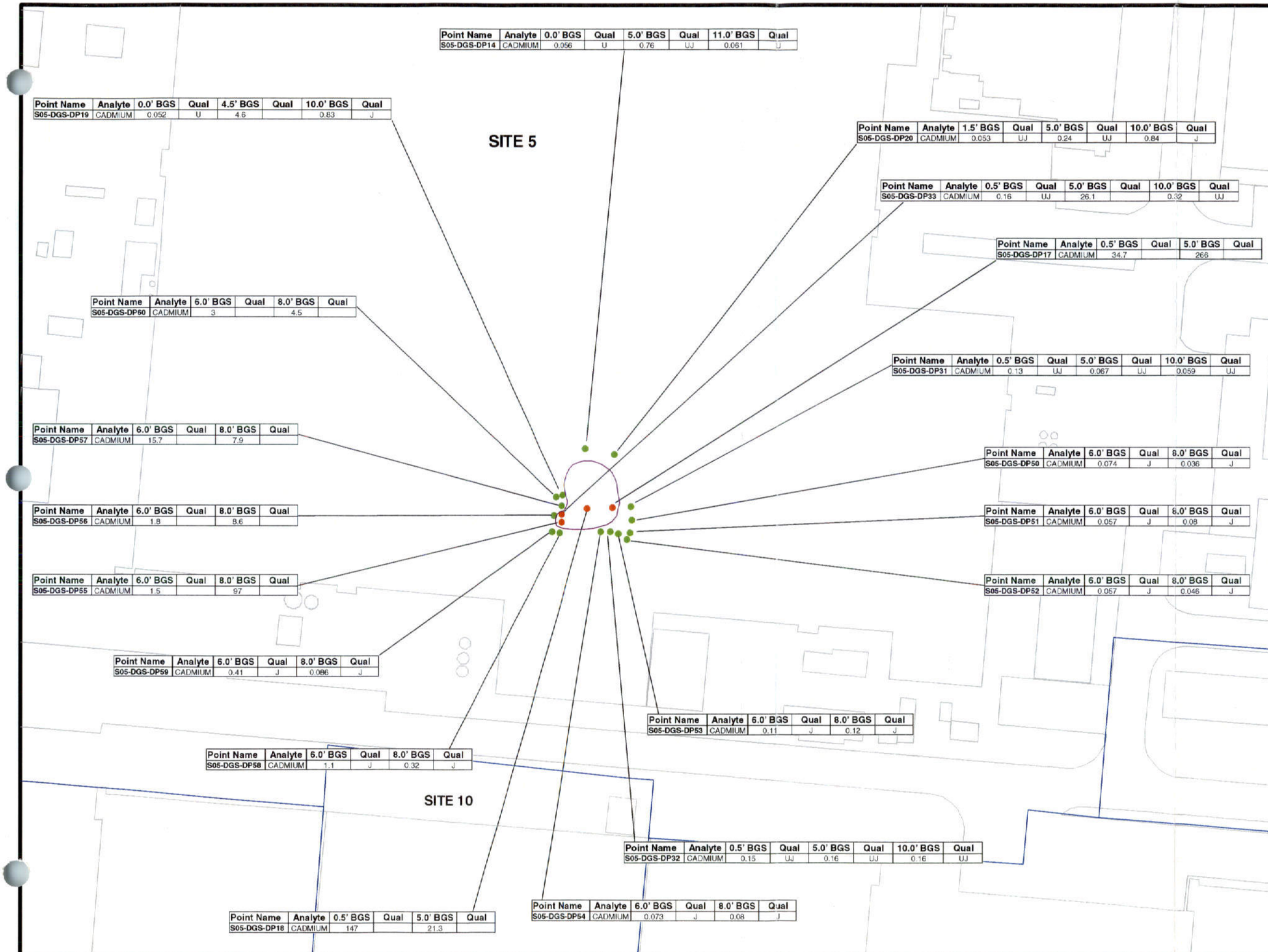


Point Name	Analyte	0.0' BGS	Qual	5.0' BGS	Qual	11.0' BGS	Qual
S05-DGS-DP14	CADMIUM	0.056	U	0.76	UJ	0.061	U

Point Name	Analyte	0.0' BGS	Qual	4.5' BGS	Qual	10.0' BGS	Qual
S05-DGS-DP19	CADMIUM	0.052	U	4.6		0.83	J

Point Name	Analyte	1.5' BGS	Qual	5.0' BGS	Qual	10.0' BGS	Qual
S05-DGS-DP20	CADMIUM	0.053	UJ	0.24	UJ	0.84	J

Point Name	Analyte	0.5' BGS	Qual	5.0' BGS	Qual	10.0' BGS	Qual
S05-DGS-DP33	CADMIUM	0.16	UJ	26.1		0.32	UJ

Point Name	Analyte	0.5' BGS	Qual	5.0' BGS	Qual
S05-DGS-DP17	CADMIUM	34.7		266	

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP60	CADMIUM	3		4.5	

Point Name	Analyte	0.5' BGS	Qual	5.0' BGS	Qual	10.0' BGS	Qual
S05-DGS-DP31	CADMIUM	0.13	UJ	0.067	UJ	0.059	UJ

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP57	CADMIUM	15.7		7.9	

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP50	CADMIUM	0.074	J	0.036	J

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP56	CADMIUM	1.8		8.6	

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP51	CADMIUM	0.057	J	0.08	J

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP55	CADMIUM	1.5		97	

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP52	CADMIUM	0.057	J	0.046	J

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP59	CADMIUM	0.41	J	0.086	J

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP53	CADMIUM	0.11	J	0.12	J

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP58	CADMIUM	1.1	J	0.32	J

Point Name	Analyte	0.5' BGS	Qual	5.0' BGS	Qual	10.0' BGS	Qual
S05-DGS-DP32	CADMIUM	0.15	UJ	0.16	UJ	0.16	UJ

Point Name	Analyte	0.5' BGS	Qual	5.0' BGS	Qual
S05-DGS-DP18	CADMIUM	147		21.3	

Point Name	Analyte	6.0' BGS	Qual	8.0' BGS	Qual
S05-DGS-DP54	CADMIUM	0.073	J	0.08	J

LEGEND

- SOIL BOUNDARY EXCEEDING SCREENING LEVEL
- DATA GAP SOIL CADMIUM LOCATIONS IN EXCEEDENCE
- DATA GAP SOIL CADMIUM LOCATIONS NOT IN EXCEEDENCE
- CERCLA SITE BOUNDARIES
- LAND COVER

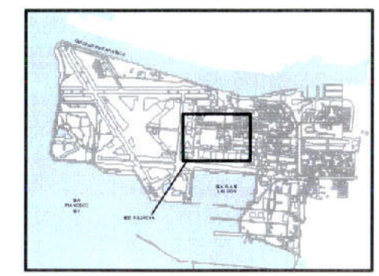
QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE
R- REJECTED

BGS = BELOW GROUND SURFACE

SAMPLE DATE: JUNE THROUGH AUGUST 2001

ALL RESULTS REPORTED IN mg/Kg

ALAMEDA POINT CADMIUM IN SOIL SCREENING LEVEL = 9.0 mg/Kg



N

50 0 50 100

SCALE: 1" = 100'

FIGURE 2.6-5
METALS INVESTIGATION
EXTENT OF CADMIUM IN SOIL
AT SITE 5 PLATING SHOP
ALAMEDA POINT
ALAMEDA, CALIFORNIA
MARCH 2002

Tetra Tech EM Inc.

DS.0385.15645

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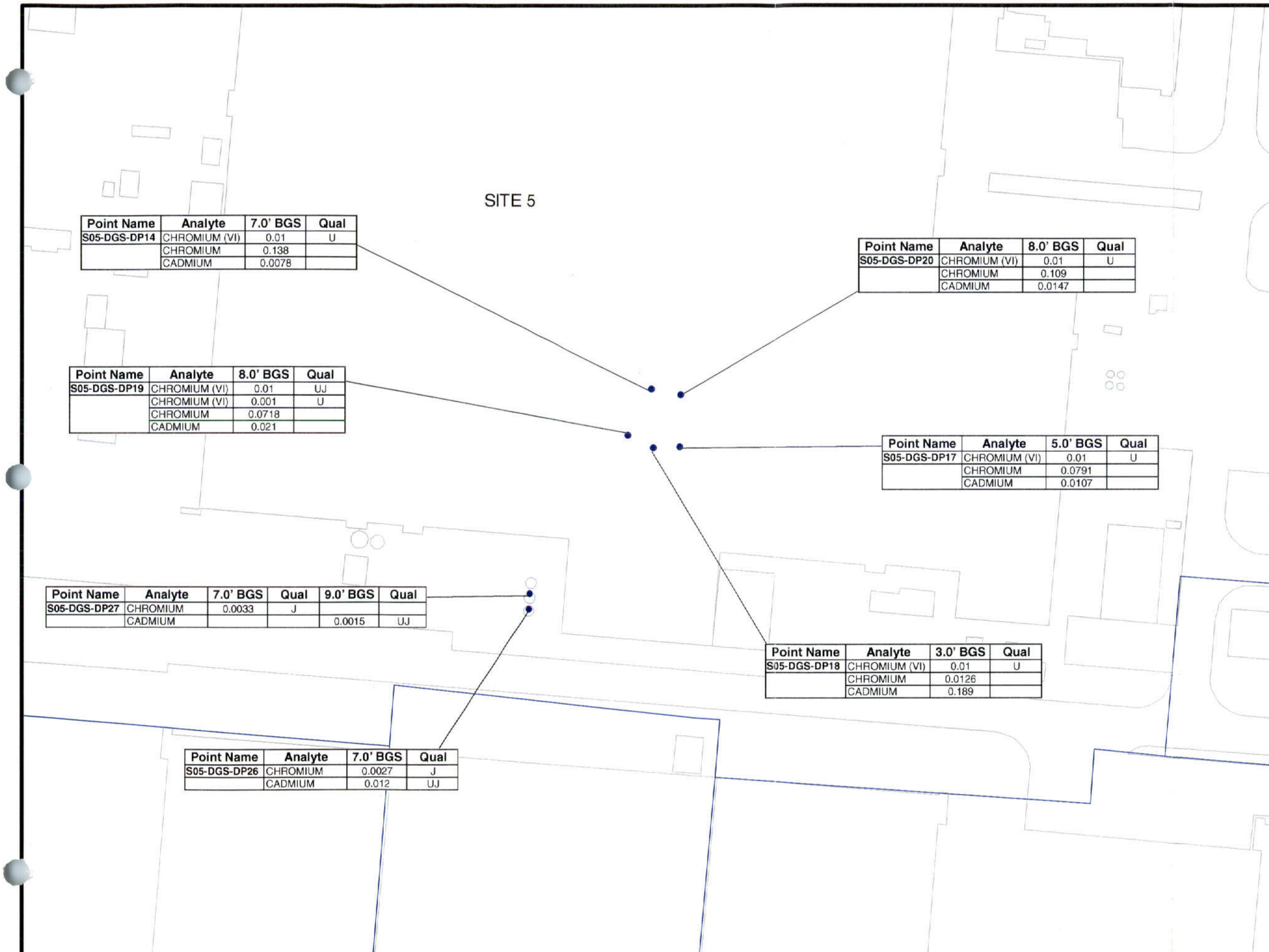


Point Name	Analyte	7.0' BGS	Qual
S05-DGS-DP14	CHROMIUM (VI)	0.01	U
	CHROMIUM	0.138	
	CADMIUM	0.0078	

Point Name	Analyte	8.0' BGS	Qual
S05-DGS-DP20	CHROMIUM (VI)	0.01	U
	CHROMIUM	0.109	
	CADMIUM	0.0147	

Point Name	Analyte	8.0' BGS	Qual
S05-DGS-DP19	CHROMIUM (VI)	0.01	UJ
	CHROMIUM (VI)	0.001	U
	CHROMIUM	0.0718	
	CADMIUM	0.021	

Point Name	Analyte	5.0' BGS	Qual
S05-DGS-DP17	CHROMIUM (VI)	0.01	U
	CHROMIUM	0.0791	
	CADMIUM	0.0107	

Point Name	Analyte	7.0' BGS	Qual	9.0' BGS	Qual
S05-DGS-DP27	CHROMIUM	0.0033	J		
	CADMIUM			0.0015	UJ

Point Name	Analyte	3.0' BGS	Qual
S05-DGS-DP18	CHROMIUM (VI)	0.01	U
	CHROMIUM	0.0126	
	CADMIUM	0.189	

Point Name	Analyte	7.0' BGS	Qual
S05-DGS-DP26	CHROMIUM	0.0027	J
	CADMIUM	0.012	UJ

LEGEND

- CADMIUM AND CHROMIUM WATER SAMPLES
- CERCLA SITE BOUNDARIES
- LAND COVER

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE

BGS = BELOW GROUND SURFACE

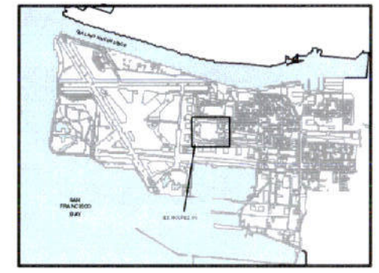
SAMPLE DATE: JUNE/JULY 2001

ALL RESULTS REPORTED IN mg/L

MCL IN GROUNDWATER FOR
CHROMIUM = 0.05 mg/L
CADMIUM = 0.005 mg/L

NOTE:

DUPLICATE CHROMIUM (VI) SAMPLES WHERE ANYLIZED WITH AN ALTERNATIVE ANALYTICAL METHOD USED TO REACH LOWER DETECTION LIMIT. THE LAB USED IS NOT YET CERTIFIED IN CALIFORNIA TO PERFORM THIS METHOD.



N

100 0 50 100
SCALE: 1" = 100'

FIGURE 2.6-6
METALS INVESTIGATION IN GROUNDWATER
CADMIUM AND CHROMIUM
SITE 5
DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
APRIL 2002

Tetra Tech EM Inc.

DS.0385.15645

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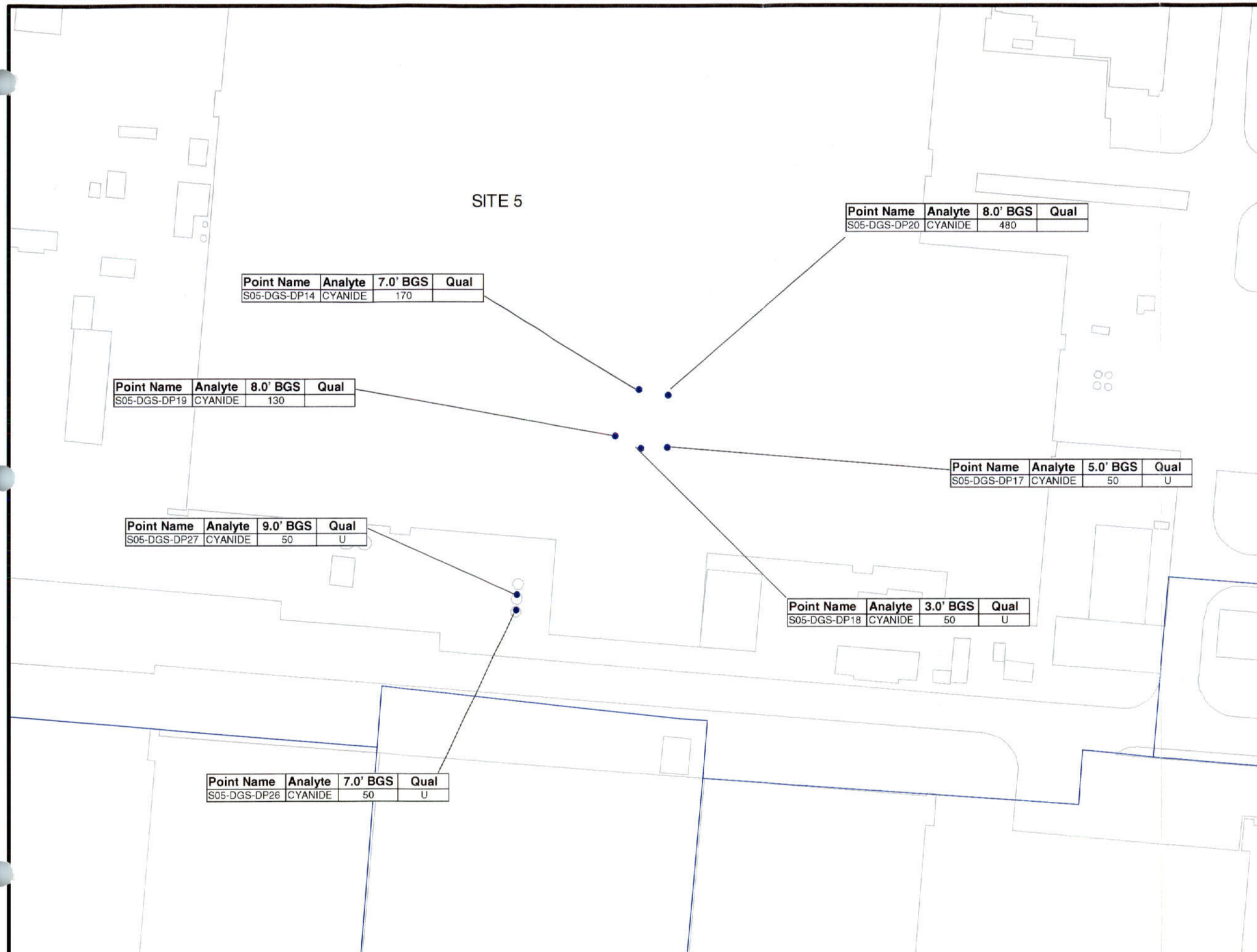


LEGEND

- CYANIDE WATER SAMPLES
- CERCLA SITE BOUNDARIES
- LAND COVER

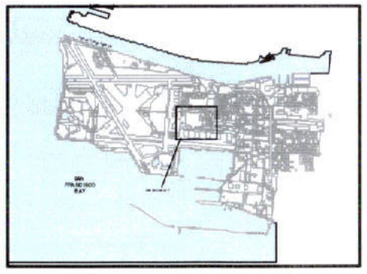
QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE

BGS = BELOW GROUND SURFACE

SAMPLE DATE: JUNE/JULY 2001

ALL RESULTS REPORTED IN ug/L

MCL FOR CYANIDE IN GROUNDWATER = 200 ug/L



N

100 0 50 100

SCALE: 1" = 100'

FIGURE 2.6-7
INVESTIGATION IN GROUNDWATER
CYANIDE SITE 5
DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
APRIL 2002

Tetra Tech EM Inc.

DS.0385.15645

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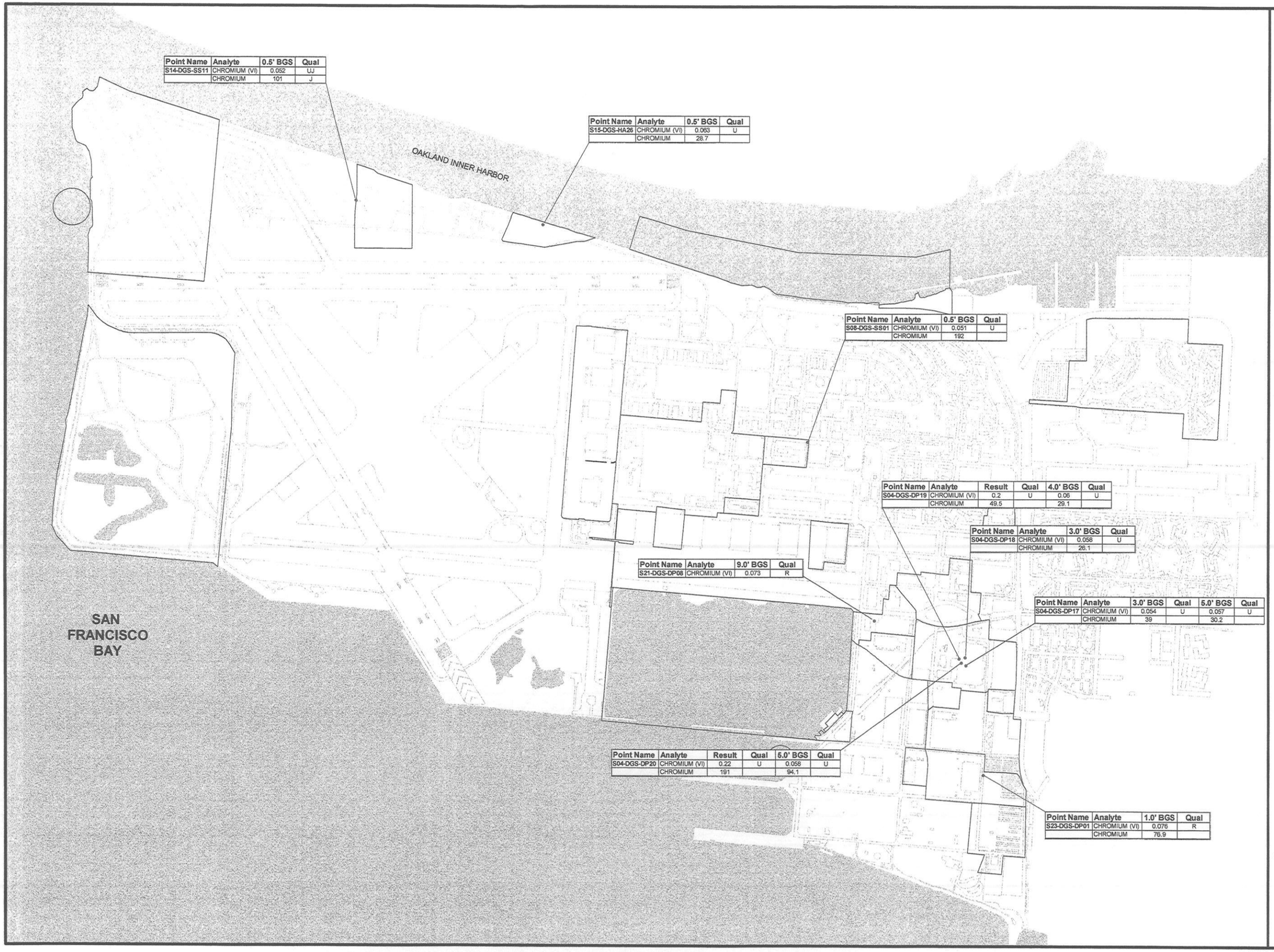

Point Name	Analyte	0.5' BGS	Qual
S14-DGS-SS11	CHROMIUM (VI)	0.052	UJ
	CHROMIUM	101	J

Point Name	Analyte	0.5' BGS	Qual
S15-DGS-HA26	CHROMIUM (VI)	0.063	U
	CHROMIUM	28.7	

Point Name	Analyte	0.5' BGS	Qual
S08-DGS-SS01	CHROMIUM (VI)	0.051	U
	CHROMIUM	192	

Point Name	Analyte	Result	Qual	4.0' BGS	Qual
S04-DGS-DP19	CHROMIUM (VI)	0.2	U	0.06	U
	CHROMIUM	49.5		29.1	

Point Name	Analyte	3.0' BGS	Qual
S04-DGS-DP18	CHROMIUM (VI)	0.058	U
	CHROMIUM	26.1	

Point Name	Analyte	9.0' BGS	Qual
S21-DGS-DP08	CHROMIUM (VI)	0.073	R

Point Name	Analyte	3.0' BGS	Qual	5.0' BGS	Qual
S04-DGS-DP17	CHROMIUM (VI)	0.054	U	0.057	U
	CHROMIUM	39		30.2	

Point Name	Analyte	Result	Qual	5.0' BGS	Qual
S04-DGS-DP20	CHROMIUM (VI)	0.22	U	0.058	U
	CHROMIUM	191		94.1	

Point Name	Analyte	1.0' BGS	Qual
S23-DGS-DP01	CHROMIUM (VI)	0.076	R
	CHROMIUM	76.9	

LEGEND

- CHROMIUM SAMPLING LOCATIONS
- CERCLA SITE BOUNDARIES
- LAND COVER

QUALIFIERS
U- NON-DETECT
J- ESTIMATED VALUE
R- REJECTED

OTHER VOCs: N.D.
COMPOUNDS NOT DETECTED ABOVE LABORATORY DETECTION LIMIT

BGS = BELOW GROUND SURFACE

SAMPLE DATE: JULY THROUGH OCTOBER 2001

ALL RESULTS REPORTED IN mg/Kg

SCREENING LEVELS:
CHROMIUM 210.0 mg/Kg
CHROMIUM (VI) 0.2 mg/Kg

N

500 0 500 1000

SCALE: 1" = 500'

FIGURE 2.7-1
BASEWIDE CHROMIUM SPECIATION IN SOIL TO SUPPORT METALS INVESTIGATION DATA GAP SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
APRIL 2002

Tetra Tech EM Inc.
DS.0385.15645

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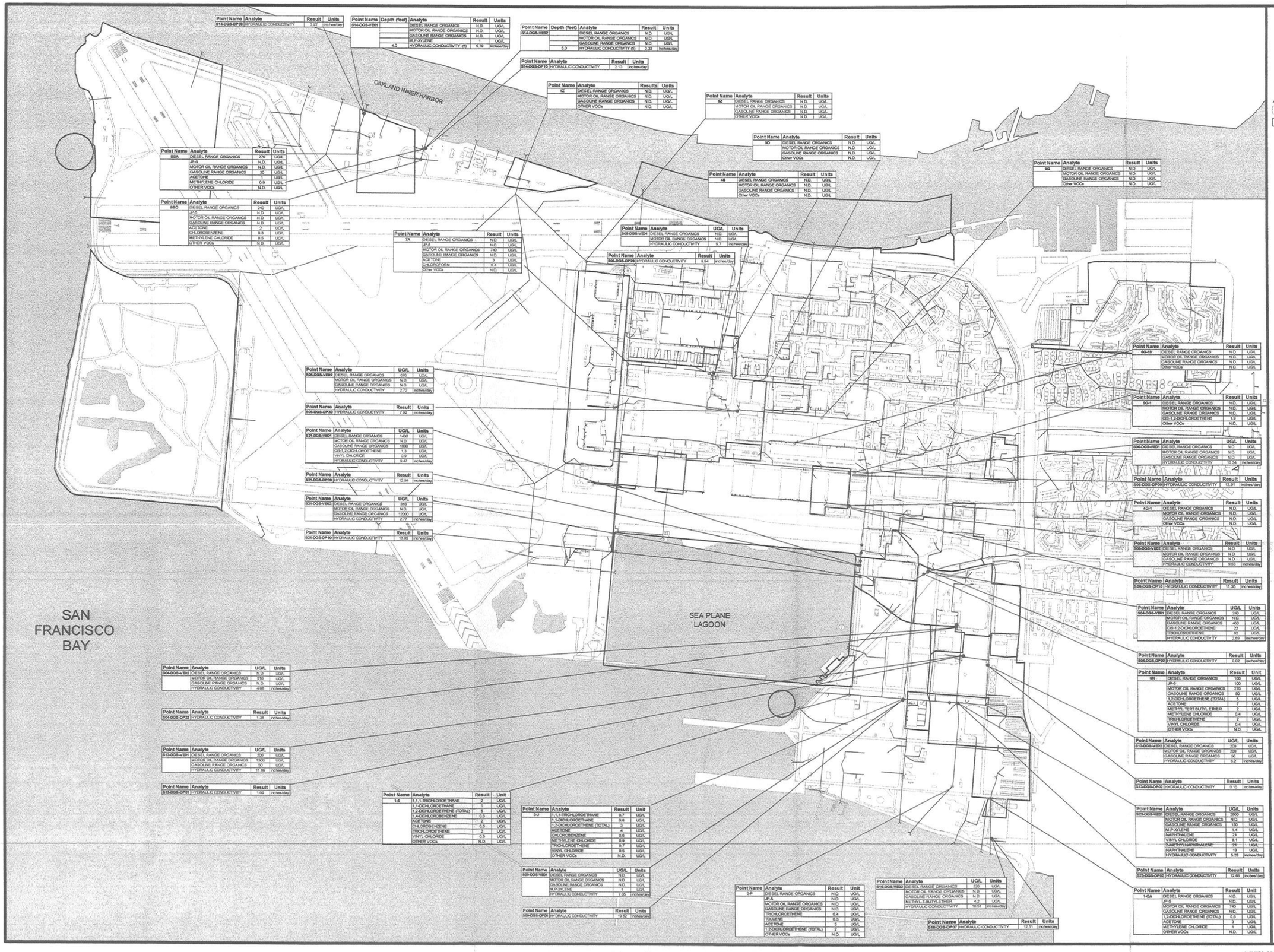

Point Name	Analyte	Result	Units
S14-DGS-DP08	HYDRAULIC CONDUCTIVITY	3.92	inches/day

Point Name	Depth (feet)	Analyte	Result	Units
S14-DGS-VE01		DIESEL RANGE ORGANICS	N.D.	UG/L
		MOTOR OIL RANGE ORGANICS	N.D.	UG/L
		GASOLINE RANGE ORGANICS	N.D.	UG/L
		M,P-XYLENE	1	UG/L
	4.0	HYDRAULIC CONDUCTIVITY (5)	5.79	inches/day

Point Name	Depth (feet)	Analyte	Result	Units
S14-DGS-VE02		DIESEL RANGE ORGANICS	N.D.	UG/L
		MOTOR OIL RANGE ORGANICS	N.D.	UG/L
		GASOLINE RANGE ORGANICS	N.D.	UG/L
	5.0	HYDRAULIC CONDUCTIVITY (5)	0.33	inches/day

Point Name	Analyte	Result	Units
S14-DGS-DP10	HYDRAULIC CONDUCTIVITY	2.13	inches/day

Point Name	Analyte	Results	Units
1Z	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
6Z	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
9D	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
4B	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
9G	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
8BA	DIESEL RANGE ORGANICS	270	UG/L
	JP-5	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	30	UG/L
	ACETONE	1	UG/L
	METHYLENE CHLORIDE	0.9	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
8BD	DIESEL RANGE ORGANICS	240	UG/L
	JP-5	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	ACETONE	2	UG/L
	CHLOROBENZENE	0.3	UG/L
	METHYLENE CHLORIDE	0.5	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
7A	DIESEL RANGE ORGANICS	N.D.	UG/L
	JP-5	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	740	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	ACETONE	3	UG/L
	CHLOROFORM	0.4	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	UG/L	Units
S05-DGS-VE01	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	HYDRAULIC CONDUCTIVITY	3.7	inches/day

Point Name	Analyte	Result	Units
S05-DGS-DP28	HYDRAULIC CONDUCTIVITY	0.94	inches/day

Point Name	Analyte	UG/L	Units
S05-DGS-VE02	DIESEL RANGE ORGANICS	670	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	HYDRAULIC CONDUCTIVITY	2.72	inches/day

Point Name	Analyte	Result	Units
S05-DGS-DP30	HYDRAULIC CONDUCTIVITY	7.92	inches/day

Point Name	Analyte	UG/L	Units
S21-DGS-VE01	DIESEL RANGE ORGANICS	1400	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	1800	UG/L
	CIS-1,2-DICHLOROETHENE	1.3	UG/L
	VINYL CHLORIDE	3.9	UG/L
	HYDRAULIC CONDUCTIVITY	9.47	inches/day

Point Name	Analyte	Result	Units
S21-DGS-DP09	HYDRAULIC CONDUCTIVITY	12.94	inches/day

Point Name	Analyte	UG/L	Units
S21-DGS-VE02	DIESEL RANGE ORGANICS	210	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	12000	UG/L
	HYDRAULIC CONDUCTIVITY	2.77	inches/day

Point Name	Analyte	Result	Units
S21-DGS-DP10	HYDRAULIC CONDUCTIVITY	13.92	inches/day

Point Name	Analyte	UG/L	Units
6G-18	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
6G-1	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	CIS-1,2-DICHLOROETHENE	1.9	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	UG/L	Units
S06-DGS-VE01	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	HYDRAULIC CONDUCTIVITY	10.34	inches/day

Point Name	Analyte	Result	Units
S06-DGS-DP09	HYDRAULIC CONDUCTIVITY	12.91	inches/day

Point Name	Analyte	Result	Units
4G-1	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	Other VOCs	N.D.	UG/L

Point Name	Analyte	Result	Units
S06-DGS-VE02	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	HYDRAULIC CONDUCTIVITY	9.53	inches/day

Point Name	Analyte	Result	Units
S06-DGS-DP10	HYDRAULIC CONDUCTIVITY	11.35	inches/day

Point Name	Analyte	UG/L	Units
S04-DGS-VE01	DIESEL RANGE ORGANICS	240	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	400	UG/L
	CIS-1,2-DICHLOROETHENE	22	UG/L
	TRICHLOROETHENE	82	UG/L
	HYDRAULIC CONDUCTIVITY	2.69	inches/day

Point Name	Analyte	Result	Units
S04-DGS-DP22	HYDRAULIC CONDUCTIVITY	0.02	inches/day

Point Name	Analyte	Result	Unit
8H	DIESEL RANGE ORGANICS	100	UG/L
	JP-5	100	UG/L
	MOTOR OIL RANGE ORGANICS	270	UG/L
	GASOLINE RANGE ORGANICS	50	UG/L
	1,2-DICHLOROETHENE (TOTAL)	5	UG/L
	ACETONE	7	UG/L
	METHYL TERT BUTYL ETHER	2	UG/L
	METHYLENE CHLORIDE	0.4	UG/L
	TRICHLOROETHENE	2	UG/L
	VINYL CHLORIDE	0.4	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	UG/L	Units
S13-DGS-VE02	DIESEL RANGE ORGANICS	200	UG/L
	MOTOR OIL RANGE ORGANICS	200	UG/L
	GASOLINE RANGE ORGANICS	50	UG/L
	HYDRAULIC CONDUCTIVITY	6.2	inches/day

Point Name	Analyte	Result	Units
S13-DGS-DP23	HYDRAULIC CONDUCTIVITY	0.13	inches/day

Point Name	Analyte	UG/L	Units
S23-DGS-VE01	DIESEL RANGE ORGANICS	2800	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	130	UG/L
	M,P-XYLENE	1.4	UG/L
	NAPHTHALENE	21	UG/L
	VINYL CHLORIDE	8.1	UG/L
	2-METHYLNAPHTHALENE	21	UG/L
	NAPHTHALENE	19	UG/L
	HYDRAULIC CONDUCTIVITY	5.28	inches/day

Point Name	Analyte	Result	Units
S23-DGS-DP02	HYDRAULIC CONDUCTIVITY	12.61	inches/day

Point Name	Analyte	Result	Units
1-QA	DIESEL RANGE ORGANICS	N.D.	UG/L
	JP-5	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	740	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	1,2-DICHLOROETHENE (TOTAL)	0.6	UG/L
	ACETONE	3	UG/L
	METHYLENE CHLORIDE	1	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	UG/L	Units
S04-DGS-VE02	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	510	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	HYDRAULIC CONDUCTIVITY	4.08	inches/day

Point Name	Analyte	Result	Units
S04-DGS-DP23	HYDRAULIC CONDUCTIVITY	1.38	inches/day

Point Name	Analyte	UG/L	Units
S13-DGS-VE01	DIESEL RANGE ORGANICS	200	UG/L
	MOTOR OIL RANGE ORGANICS	1300	UG/L
	GASOLINE RANGE ORGANICS	50	UG/L
	HYDRAULIC CONDUCTIVITY	11.69	inches/day

Point Name	Analyte	Result	Units
S13-DGS-DP01	HYDRAULIC CONDUCTIVITY	1.09	inches/day

Point Name	Analyte	Result	Unit
1-6	1,1,1-TRICHLOROETHANE	2	UG/L
	1,1-DICHLOROETHANE	1	UG/L
	1,2-DICHLOROETHENE (TOTAL)	5	UG/L
	1,4-DICHLOROBENZENE	0.5	UG/L
	ACETONE	2	UG/L
	CHLOROBENZENE	0.5	UG/L
	TRICHLOROETHENE	2	UG/L
	VINYL CHLORIDE	0.5	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	Result	Unit
3-J	1,1,1-TRICHLOROETHANE	0.7	UG/L
	1,1-DICHLOROETHANE	0.8	UG/L
	1,2-DICHLOROETHENE (TOTAL)	3	UG/L
	ACETONE	4	UG/L
	CHLOROBENZENE	0.6	UG/L
	METHYLENE CHLORIDE	0.9	UG/L
	TRICHLOROETHENE	0.7	UG/L
	VINYL CHLORIDE	0.5	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	UG/L	Units
S09-DGS-VE01	DIESEL RANGE ORGANICS	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	M,P-XYLENE	1	UG/L
	HYDRAULIC CONDUCTIVITY	7.05	inches/day

Point Name	Analyte	Result	Units
S09-DGS-DP06	HYDRAULIC CONDUCTIVITY	19.62	inches/day

Point Name	Analyte	Result	Unit
3-P	DIESEL RANGE ORGANICS	N.D.	UG/L
	JP-5	N.D.	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	TRICHLOROETHENE	0.4	UG/L
	TOLUENE	0.3	UG/L
	ACETONE	5	UG/L
	1,2-DICHLOROETHENE (TOTAL)	2	UG/L
	OTHER VOCs	N.D.	UG/L

Point Name	Analyte	UG/L	Units
S16-DGS-VE02	DIESEL RANGE ORGANICS	320	UG/L
	MOTOR OIL RANGE ORGANICS	N.D.	UG/L
	GASOLINE RANGE ORGANICS	N.D.	UG/L
	METHYL-T-BUTYLETHER	4.2	UG/L
	HYDRAULIC CONDUCTIVITY	10.51	inches/day

Point Name	Analyte	Result	Units
S16-DGS-DP07	HYDRAULIC CONDUCTIVITY	12.11	inches/day

LEGEND

SAMPLE POINTS

- MANHOLE AND CATCHBASING SAMPLING LOCATIONS
- DIRECT PUSH SAMPLING LOCATIONS (COLLECTED 10 FEET FROM VE SAMPLES)
- VACUUM EXCAVATION SAMPLING LOCATIONS (FROM SEWER BEDDING)

STORM SEWER SYSTEM

LAND COVER

CERCLA SITE BOUNDARIES

QUALIFIERS
U - NON-DETECT
J - ESTIMATED VALUE
R - REJECTED
N.D. - NON-DETECT

BGS = BELOW GROUND SURFACE

SAMPLING DATE: JULY THROUGH SEPTEMBER 2001

N

500 0 500 1000

SCALE: 1" = 500'

FIGURE 2.8-1
BASEWIDE MANHOLE AND CATCHBASIN SAMPLING LOCATIONS
ALAMEDA POINT
ALAMEDA, CALIFORNIA
APRIL 2002

Tetra Tech EM Inc.

DS.0385.15645

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N00236.000406
ALAMEDA POINT
SSIC NO. 5090.3

TABLES

DATA SUMMARY REPORT SUPPLEMENTAL REMEDIAL INVESTIGATION DATA GAP SAMPLING FOR OPERABLE UNITS 1 AND 2

DATED 25 JULY 2002

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
CAA 9A	Ground Water	Monitoring Well	3	FWBZ	BTEX, TPPH, TEPH, MTBE, lead	2-27	NA	Appendices N, O, P	Appendix D, Table D-19A
EBS Parcel 8	Ground Water	Direct Push	4	5	VOC	2-30	NA	Appendices K and P	Appendix D, Table D-22A
			4	10	VOC	2-30	NA	Appendices K and P	Appendix D, Table D-22A
			4	15	VOC	2-30	NA	Appendices K and P	Appendix D, Table D-22A
			1	20	VOC	2-30	NA	Appendices K and P	Appendix D, Table D-22A
3	Soil	Direct Push	1	4	VOC, TPPH, TEPH	2-9	NA	Appendices K, M, P	Appendix D, Table D-1B
			2	4.5	VOC, TPPH, TEPH	2-9	NA	Appendices K, M, P	Appendix D, Table D-1B
			2	5	VOC, TPPH, TEPH	2-9	NA	Appendices K, M, P	Appendix D, Table D-1B
			1	5.5	VOC, TPPH, TEPH	2-9	NA	Appendices K, M, P	Appendix D, Table D-1B
			1	5.5	TEPH	2-9	NA	Appendices K, M, P	Appendix D, Table D-1B
	Ground Water	Direct Push	1	4 to 5	VOC, TPPH, TEPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			1	5 to 6	VOC, TPPH, TEPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			1	5 to 6	VOC	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			8	5 to 6	VOC, TPPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
3	Ground Water	Direct Push	2	7 to 8	VOC, TPPH, TEPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			2	8 to 9	VOC, TPPH, TEPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			1	8 to 9	VOC, TPPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			1	10 to 11	VOC	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			3	10 to 11	VOC, TPPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			3	12 to 13	VOC, TPPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
			1	14 to 15	VOC, TPPH	2-9	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-1A
		Monitoring Well	8	FWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-9	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-1A
			1	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-9	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-1A
4	Soil	Direct Push	1	4	VOC, TPPH, TEPH	2-10	NA	Appendices K, M, P	Appendix D, Table D-2B
			1	4.5	VOC, TPPH, TEPH	2-10	NA	Appendices K, M, P	Appendix D, Table D-2B
	Ground Water	Direct Push	1	2	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			3	5	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			9	6	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Ground Water	Direct Push	6	7	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	8	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	8	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	8	VOC, TPPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	8	VOC, TPPH, TEPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			18	10	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			9	12	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			2	14	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			2	15	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			3	15	VOC, TPPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			2	15	VOC, TPPH, TEPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			24	20	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			3	25	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			3	25	VOC, TPPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Ground Water	Direct Push	1	25	VOC, TPPH, TEPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			11	30	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			14	35	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	35	VOC, TPPH, TEPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	38	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			8	40	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			3	45	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	45	VOC, TPPH, TEPH	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			10	48	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			10	50	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			1	55	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			11	60	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A
			2	75	VOC	2-10	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-2A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Ground Water	Monitoring Well	14	FMSU	VOC, TPPH, TEPH, SVOC, field parameters	2-10	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-2A
			3	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-10	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-2A
			1	FMSU	TEPH, SVOC, field parameters	2-10	2.1-9	Appendices N, O, P	Appendix D, Table D-2A
5	Ground Water	Direct Push	6	6	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			2	7	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			12	8	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			1	8	TPPH, TEPH	2-11	2.1-23	Appendices F, K, M, P	Appendix D, Table D-3A
			7	9	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			2	10	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			6	11	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			16	12	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
5	Ground Water	Direct Push	3	14	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			2	15	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
			10	16	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			1	17	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
			1	20	VOC	2-11	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-3A
		Monitoring Well	14	FWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-11	2.1-16 to 2.1-25	Appendices N, O, P	Appendix D, Table D-3A
			3	SWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-11	2.1-16 to 2.1-25	Appendices N, O, P	Appendix D, Table D-3A
6	Ground Water	Direct Push	7	5 to 6	VOC, TPPH, TEPH	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
			12	5 to 6	VOC	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
			1	7 to 8	VOC, TPPH, TEPH	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
			1	11 to 12	VOC	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
			10	12 to 13	VOC	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
			5	12 to 13	VOC, TPPH, TEPH	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
			3	23 to 24	VOC, TPPH, TEPH	2-12	2.1-26 to 2.1-30	Appendices F, K, M, P	Appendix D, Table D-4A
		Monitoring Well	6	FWBZ	VOC, TPPH, TEPH	2-12	2.1-26 to 2.1-30	Appendices N, O, P	Appendix D, Table D-4A
9	Ground Water	Direct Push	1	4.5 to 5.5	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
9	Ground Water	Direct Push	4	7 to 8	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			1	7 to 8	SVOC	2-14	NA	Appendices F, K, M, P	Appendix D, Table D-6A
			3	8 to 9	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			4	8 to 9	SVOC	2-14	NA	Appendices F, K, M, P	Appendix D, Table D-6A
			2	10 to 11	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			8	15 to 16	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			5	15 to 16	SVOC	2-14	NA	Appendices F, K, M, P	Appendix D, Table D-6A
			2	20 to 21	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			4	25 to 26	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			6	30 to 31	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			2	30 to 31	SVOC	2-14	NA	Appendices F, K, M, P	Appendix D, Table D-6A
			4	35 to 36	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			2	43 to 44	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			4	45 to 46	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
9	Ground Water	Direct Push	1	45 to 46	SVOC	2-14	NA	Appendices F, K, M, P	Appendix D, Table D-6A
			2	50 to 51	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			1	50 to 51	SVOC	2-14	NA	Appendices F, K, M, P	Appendix D, Table D-6A
			1	58 to 59	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			1	59 to 60	VOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			4	60 to 61	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			2	65 to 66	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			2	74 to 75	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			2	78 to 79	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
			2	80 to 81	VOC, SVOC	2-14	2.1-1 to 2.1-8	Appendices F, K, M, P	Appendix D, Table D-6A
		Monitoring Well	6	FMSU	VOC, TPPH, TEPH, SVOC, field parameters	2-14	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-6A
			1	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-14	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-6A
10	Ground Water	Direct Push	2	5	VOC	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			1	5	VOC, TPPH	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
10	Ground Water	Monitoring Well	2	10	VOC	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			1	10	VOC, TPPH	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			2	15	VOC	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			2	15	VOC, TPPH	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			1	20	VOC	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			1	20	VOC, TPPH	2-15	2.1-16 to 2.1-25	Appendices F, K, M, P	Appendix D, Table D-7A
			3	FWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-15	2.1-16 to 2.1-25	Appendices N, O, P	Appendix D, Table D-7A
			1	SWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-15	2.1-16 to 2.1-25	Appendices N, O, P	Appendix D, Table D-7A
11	Soil	Direct Push	1	5	VOC, TPPH, TEPH	2-16	NA	Appendices K, L, M, P	Appendix D, Table D-8B
	Ground Water	Hand Auger	2	8	VOC, TPPH, TEPH	2-16	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-8A
			2	9	VOC, TPPH, TEPH	2-16	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-8A
		Direct Push	1	5	VOC, TPPH, TEPH	2-16	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-8A
		Monitoring Well	6	FWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-16	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-8A
			1	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-16	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-8A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
12	Ground Water	Monitoring Well	4	FWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-17	2.1-16 to 2.1-25	Appendices N, O, P	Appendix D, Table D-9A
			1	SWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-17	2.1-16 to 2.1-25	Appendices N, O, P	Appendix D, Table D-9A
13	Ground Water	Monitoring Well	10	FMSU	VOC, TPPH, TEPH, SVOC, field parameters	2-18	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-10A
			1	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-18	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-10A
14	Ground Water	Direct Push	2	5 to 6	VOC, TPPH, TEPH	2-19	2.1-31 to 2.1-34	Appendices F, K, M, P	Appendix D, Table D-11A
			3	6 to 7	VOC, TPPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			1	6 to 7	VOC, TPPH, TEPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			3	7 to 8	VOC, TPPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			3	7 to 8	VOC, TPPH, TEPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			1	16 to 17	VOC, TPPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			3	18 to 19	VOC, TPPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			2	23 to 24	VOC, TPPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
			1	28 to 29	VOC, TPPH	2-19	2.1-31 to 2.1-34	Appendices F, K, P	Appendix D, Table D-11A
		Monitoring Well	7	FWBZ	VOC, TPPH, TEPH, SVOC	2-19	2.1-31 to 2.1-34	Appendices N, O, P	Appendix D, Table D-11A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
14	Ground Water	Monitoring Well	2	SWBZ	VOC, TPPH, TEPH, SVOC	2-19	2.1-31 to 2.1-34	Appendices N, O, P	Appendix D, Table D-11A
16	Ground Water	Direct Push	4	5 to 6	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			2	5 to 6	VOC, TPPH, TEPH	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			3	5.5 to 6.5	VOC, TPPH, TEPH	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			1	6 to 7	VOC, TPPH, TEPH	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			3	7 to 8	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			15	8 to 9	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			1	11 to 12	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			11	12 to 13	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			1	13 to 14	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			6	16 to 17	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			1	18 to 19	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			1	25 to 26	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A
			1	56 to 57	VOC	2-21	2.1-35 to 2.1-44	Appendices F, K, M, P	Appendix D, Table D-13A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
16	Ground Water	Monitoring Well	7	FWBZ	VOC, TPPH, TEPH	2-21	2.1-35 to 2.1-44	Appendices N, O, P	Appendix D, Table D-13A
19	Ground Water	Monitoring Well	5	FMSU	VOC, TPPH, TEPH, SVOC, field parameters	2-22	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-14A
			1	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-22	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-14A
21	Ground Water	Direct Push	1	5	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	5	VOC, TPPH, TEPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	7	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			2	7	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			3	8	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			4	9	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	10	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			2	12	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			2	14	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			8	15	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			5	15	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
21	Ground Water	Direct Push	1	16	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			2	17	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			5	20	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			3	20	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			2	25	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			4	30	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	30	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			3	40	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	40	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	50	VOC	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
			1	50	VOC, TPPH	2-23	2.1-9 to 2.1-15	Appendices F, K, M, P	Appendix D, Table D-15A
		Monitoring Well	6	FWBZ	VOC, TPPH, TEPH, SVOC, field parameters	2-23	2.1-9 to 2.1-15	Appendices N, O, P	Appendix D, Table D-15A
22	Ground Water	Monitoring Well	9	FMSU	VOC, TPPH, TEPH, SVOC, field parameters	2-24	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-16A
			1	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-24	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-16A

TABLE 2-1
SUMMARY OF FIELD ACTIVITIES
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
23	Ground Water	Monitoring Well	9	FMSU	VOC, TPPH, TEPH, SVOC, field parameters	2-25	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-17A
			2	FMSL	VOC, TPPH, TEPH, SVOC, field parameters	2-25	2.1-1 to 2.1-8	Appendices N, O, P	Appendix D, Table D-17A

Notes:

bgs	Below ground surface
BTEX	Benzene, toluene, xylene, ethylbenzene
CAA	Corrective action area
EBS	Environmental baseline survey
FMSL	First Merritt Sand Lower
FMSU	First Merritt Sand Upper
ft	Feet
FWBZ	First Water Bearing Zone
MtBE	Methyl tert-butylether
NA	Not applicable
SVOC	Semivolatile organic compound
SWBZ	Second Water Bearing Zone
TEPH	Total extractable petroleum hydrocarbon
TPPH	Total purgeable petroleum hydrocarbon
VOC	Volatile organic compound

TABLE 2-2
SUMMARY OF FIELD ACTIVITIES
DNAPL CHARACTERIZATION
ALAMEDA POINT
(Page 1 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Soil	Ribbon	1	15	Visual Inspection for DNAPL	NA	2.2-1	Appendices J, K, M, P	Appendix D, Table D-2B
			1	18	Visual Inspection for DNAPL	NA	2.2-1	Appendices J, K, M, P	Appendix D, Table D-2B
			2	20	Visual Inspection for DNAPL	NA	2.2-1	Appendices J, K, M, P	Appendix D, Table D-2B
			4	30	Visual Inspection for DNAPL	NA	2.2-1	Appendices J, K, M, P	Appendix D, Table D-2B
	Ground Water	Direct Push	2	13	VOC	2-10	2.2-1	Appendices F, K, M, P	Appendix D, Table D-2A
			1	25	VOC	2-10	2.2-1	Appendices F, K, M, P	Appendix D, Table D-2A
			2	30	VOC	2-10	2.2-1	Appendices F, K, M, P	Appendix D, Table D-2A
			1	35	VOC	2-10	2.2-1	Appendices F, K, M, P	Appendix D, Table D-2A
		Monitoring Well (multiple depths)	1	4	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			5	5	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	6	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			4	7	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	8	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			4	9	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A

TABLE 2-2
SUMMARY OF FIELD ACTIVITIES
DNAPL CHARACTERIZATION
ALAMEDA POINT
(Page 2 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Ground Water	Monitoring Well (multiple depths)	1	10	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			4	11	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			3	13	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	84	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	86	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	87	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	88	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	89	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	90	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	91	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	92	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
			1	93	VOC, field parameters	2-10	2.2-1	Appendices F, N, O, P	Appendix D, Table D-2A
5	Soil	Ribbon	2	15	Visual Inspection for DNAPL	NA	2.2-2	Appendices J, K, M, P	Appendix D, Table D-3B
			3	17	Visual Inspection for DNAPL	NA	2.2-2	Appendices J, K, M, P	Appendix D, Table D-3B

TABLE 2-2
SUMMARY OF FIELD ACTIVITIES
DNAPL CHARACTERIZATION
ALAMEDA POINT
(Page 3 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
5	Soil	Ribbon	8	18	Visual Inspection for DNAPL	NA	2.2-2	Appendices J, K, M, P	Appendix D, Table D-3B
	Ground Water	Monitoring Well (multiple depths)	1	5	VOC, field parameters	2-11	2.2-2	Appendices F, N, O, P	Appendix D, Table D-3A
			3	7	VOC, field parameters	2-11	2.2-2	Appendices F, N, O, P	Appendix D, Table D-3A
			2	9	VOC, field parameters	2-11	2.2-2	Appendices F, N, O, P	Appendix D, Table D-3A
			2	11	VOC, field parameters	2-11	2.2-2	Appendices F, N, O, P	Appendix D, Table D-3A
			2	13	VOC, field parameters	2-11	2.2-2	Appendices F, N, O, P	Appendix D, Table D-3A
			1	15	VOC, field parameters	2-11	2.2-2	Appendices F, N, O, P	Appendix D, Table D-3A

Notes:

bgs Below ground surface
DNAPL Dense nonaqueous phase liquid
ft Feet
NA Not applicable
VOC Volatile organic compound

TABLE 2-3
SUMMARY OF FIELD ACTIVITIES
CHARACTERIZATION OF SOIL AND GROUNDWATER CONTAMINATION
ALAMEDA POINT
(Page 1 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
Fuel Line CAA A	Soil	Direct Push	1	NA	Visual Inspection for LNAPL	NA	NA	Appendices I, K, M, P	NA
Fuel Line CAA B	Soil	Direct Push	1	1.5	VOC, TPPH, TEPH	2-26	NA	Appendices K and P	Appendix D Table D-18A
			1	4.5	VOC, TPPH, TEPH	2-26	NA	Appendices K and P	Appendix D Table D-18A
			1	7	VOC, TPPH, TEPH	2-26	NA	Appendices K and P	Appendix D Table D-18A
			1	10	VOC, TPPH, TEPH	2-26	NA	Appendices K and P	Appendix D Table D-18A
CAA 9A	Soil	Direct Push	1	1	VOC, TPPH, TEPH	2-27	NA	Appendices K, M, P	Appendix D, Table D-19B
			1	4.5	VOC, TPPH, TEPH	2-27	NA	Appendices K, M, P	Appendix D, Table D-19B
			1	7	VOC, TPPH, TEPH	2-27	NA	Appendices K, M, P	Appendix D, Table D-19B
			1	10	VOC, TPPH, TEPH	2-27	NA	Appendices K, M, P	Appendix D, Table D-19B
CAA 12	Soil	Direct Push	1	1	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
			3	1.5	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
			1	4	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
			1	4.5	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
			2	5	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
			1	9.5	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A

TABLE 2-3
SUMMARY OF FIELD ACTIVITIES
CHARACTERIZATION OF SOIL AND GROUNDWATER CONTAMINATION
ALAMEDA POINT
(Page 2 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
CAA 12	Soil	Direct Push	3	10	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
			3	15	VOC, TPPH, TEPH	2-29	NA	Appendices K and P	Appendix D, Table D-21A
EBS Parcel 23G	Soil	Direct Push	1	1.5	VOC, TPPH, TEPH	2-31	NA	Appendices K and P	Appendix D, Table D-23A
			1	5	VOC, TPPH, TEPH	2-31	NA	Appendices K and P	Appendix D, Table D-23A
			1	7	VOC, TPPH, TEPH	2-31	NA	Appendices K and P	Appendix D, Table D-23A
			1	10	VOC, TPPH, TEPH	2-31	NA	Appendices K and P	Appendix D, Table D-23A
3	Soil	Direct Push	1	NA	Visual Inspection for LNAPL	NA	NA	Appendices I, K, M, P	NA
	Ground Water	Direct Push	1	6	TPPH, TEPH	2-9	2.1-15	Appendices I, K, M, P	Appendix D, Table D-1A
14	Soil	Surface Soil	4	0 to 0.5	TPPH, TEPH, SVOC, PCBs, dioxins and furans, total metals	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
		Hand Auger	2	2	SVOC, pesticides, PCBs	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			2	5	SVOC, pesticides, PCBs	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			1	6.5	SVOC, pesticides, PCBs	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			1	8.5	SVOC, pesticides, PCBs	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
16	Soil	Direct Push	4	4	Organochlorine pesticides, PCBs	2-21	2.3-1	Appendices K, M, P	Appendix D, Table D-13B
	Ground Water	Monitoring Well	1	FWBZ	Organochlorine pesticides, PCBs	2-21	NA	Appendices N, O, P	Appendix D, Table D-13A

TABLE 2-3
SUMMARY OF FIELD ACTIVITIES
CHARACTERIZATION OF SOIL AND GROUNDWATER CONTAMINATION
ALAMEDA POINT
(Page 3 of 3)

Notes:

bgs	Below ground surface
CAA	Corrective action area
EBS	Environmental baseline survey
ft	Feet
FWBZ	First Water Bearing Zone
LNAPL	Light nonaqueous phase liquid
NA	Not applicable
PCB	Polychlorinated biphenyl
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TPPH	Total purgeable petroleum hydrocarbon
VOC	Volatile organic compound

TABLE 2-4a
SUMMARY OF FIELD ACTIVITIES
CHARACTERIZATION OF DIOXINS IN SOIL
TO SUPPORT REMOVAL ACTION AT CERCLA SITE 14
ALAMEDA POINT
(Page 1 of 1)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
14	Soil	Surface Soil	8	0 to 0.5	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
		Hand Auger	1	0.1	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			3	1	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			4	3	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			4	6	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			1	9	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			1	0 to 1	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			1	2 to 3	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B
			1	3 to 6	Dioxins and Furans	2-19	2.4-1	Appendices K and P	Appendix D, Table D-11B

Notes:

bgs Below ground surface
ft Feet

TABLE 2-4b
SUMMARY OF FIELD ACTIVITIES
CHARACTERIZATION OF LEAD AND POLYCHLORINATED BIPHENYLS IN SOIL
TO SUPPORT REMOVAL ACTIONS AT CERCLA SITE 15
ALAMEDA POINT
(Page 1 of 1)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
15	Soil	Hand Auger	18	0.5	Total lead, PCBs	2-20	2.4-2	Appendices K and P	Appendix D, Table D-12A
			18	2	Total lead, PCBs	2-20	2.4-2	Appendices K and P	Appendix D, Table D-12A

Notes:

bgs Below ground surface
ft Feet
PCB Polychlorinated biphenyl

TABLE 2-5
SUMMARY OF FIELD ACTIVITIES
SOIL GAS FOR RISK ASSESSMENT
ALAMEDA POINT
(Page 1 of 4)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
Fuel Line CAA B	Soil	Direct Push	4	1.5	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K and P	Appendix D, Table D-18C,D
	Soil Gas	Direct Push	4	1.5	TO-14, D-1946	2-26	2.5-1	Appendices K and P	Appendix D, Table D-18B
			4	4	TO-14, D-1946	2-26	2.5-1	Appendices K and P	Appendix D, Table D-18B
CAA 9A	Soil	Direct Push	1	1.5	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-19D,E
	Soil Gas	Direct Push	1	1.5	TO-14, D-1946	2-27	2.5-1	Appendices K, M, P	Appendix D, Table D-19C
			1	4	TO-14, D-1946	2-27	2.5-1	Appendices K, M, P	Appendix D, Table D-19C
CAA 10	Soil Gas	Direct Push	2	1.5	TO-14, D-1946	2-28	2.5-1	Appendices K, M, P	Appendix D, Table D-20A
			2	4	TO-14, D-1946	2-28	2.5-1	Appendices K, M, P	Appendix D, Table D-20A
3	Soil	Direct Push	8	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-1D,E
			2	1.5	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-1D,E
	Soil Gas	Direct Push	4	1	TO-14, D-1946	2-9	2.5-1	Appendices E, K, M, P	Appendix D, Table D-1C
			2	1.5	TO-14, D-1946	2-9	2.5-1	ppendices E, K, M, P	Appendix D, Table D-1C
			6	4	TO-14, D-1946	2-9	2.5-1	ppendices E, K, M, P	Appendix D, Table D-1C
			2	7	TO-14, D-1946	2-9	2.5-1	ppendices E, K, M, P	Appendix D, Table D-1C

TABLE 2-5
SUMMARY OF FIELD ACTIVITIES
SOIL GAS FOR RISK ASSESSMENT
ALAMEDA POINT
(Page 2 of 4)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Soil	Direct Push	12	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-2D,E
			1	1.5	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-2D,E
	Soil Gas	Direct Push	6	1	TO-14, D-1946	2-10	2.5-1	ppendices E, K, M, P	Appendix D, Table D-2C
			1	1.5	TO-14, D-1946	2-10	2.5-1	ppendices E, K, M, P	Appendix D, Table D-2C
			7	4	TO-14, D-1946	2-10	2.5-1	ppendices E, K, M, P	Appendix D, Table D-2C
			2	7	TO-14, D-1946	2-10	2.5-1	ppendices E, K, M, P	Appendix D, Table D-2C
5	Soil	Direct Push	2	0.5	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-3D,E
			12	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-3D,E
	Soil Gas	Direct Push	6	1	TO-14, D-1946	2-11	2.5-1	ppendices E, K, M, P	Appendix D, Table D-3C
			1	3.2	TO-14, D-1946	2-11	2.5-1	ppendices E, K, M, P	Appendix D, Table D-3C
			6	4	TO-14, D-1946	2-11	2.5-1	ppendices E, K, M, P	Appendix D, Table D-3C
			1	6	TO-14, D-1946	2-11	2.5-1	ppendices E, K, M, P	Appendix D, Table D-3C
			1	6.2	TO-14, D-1946	2-11	2.5-1	ppendices E, K, M, P	Appendix D, Table D-3C
			4	7	TO-14, D-1946	2-11	2.5-1	ppendices E, K, M, P	Appendix D, Table D-3C

TABLE 2-5
SUMMARY OF FIELD ACTIVITIES
SOIL GAS FOR RISK ASSESSMENT
ALAMEDA POINT
(Page 3 of 4)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
6	Soil Gas	Direct Push	2	1.5	TO-14, D-1946	2-12	2.5-1	Appendices K, M, P	Appendix D, Table D-4B
			2	4	TO-14, D-1946	2-12	2.5-1	Appendices K, M, P	Appendix D, Table D-4B
8	Soil	Direct Push	1	1.5	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K and P	Appendix D, Table D-5C,D
	Soil Gas	Direct Push	1	1.5	TO-14, D-1946	2-13	2.5-1	Appendices K and P	Appendix D, Table D-5B
			1	4	TO-14, D-1946	2-13	2.5-1	Appendices K and P	Appendix D, Table D-5B
9	Soil Gas	Direct Push	1	1.5	TO-14, D-1946	2-14	2.5-1	Appendices K, M, P	Appendix D, Table D-6B
			1	4	TO-14, D-1946	2-14	2.5-1	Appendices K, M, P	Appendix D, Table D-6B
13	Soil Gas	Direct Push	1	1.5	TO-14, D-1946	2-18	2.5-1	Appendices K and P	Appendix D, Table D-10B
			1	4	TO-14, D-1946	2-18	2.5-1	Appendices K and P	Appendix D, Table D-10B
14	Soil	Direct Push	8	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K and P	Appendix D, Table D-11E,F
	Soil Gas	Direct Push	4	1.5	TO-14, D-1946	2-19	2.5-1	Appendices E, K, P	Appendix D, Table D-11D
			4	4	TO-14, D-1946	2-19	2.5-1	Appendices E, K, P	Appendix D, Table D-11D
16	Soil	Direct Push	4	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-13D,E
	Soil Gas	Direct Push	2	1.5	TO-14, D-1946	2-21	2.5-1	Appendices K, M, P	Appendix D, Table D-13C

TABLE 2-5
SUMMARY OF FIELD ACTIVITIES
SOIL GAS FOR RISK ASSESSMENT
ALAMEDA POINT
(Page 4 of 4)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
16	Soil Gas	Direct Push	2	4	TO-14, D-1946	2-21	2.5-1	Appendices K, M, P	Appendix D, Table D-13C
21	Soil	Direct Push	4	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K, M, P	Appendix D, Table D-15D,E
	Soil Gas	Direct Push	2	1	TO-14, D-1946	2-23	2.5-1	ppendices E, K, M, P	Appendix D, Table D-15C
			2	4	TO-14, D-1946	2-23	2.5-1	ppendices E, K, M, P	Appendix D, Table D-15C
22	Soil Gas	Direct Push	2	1.5	TO-14, D-1946	2-24	2.5-1	Appendices K and P	Appendix D, Table D-16B
			2	4	TO-14, D-1946	2-24	2.5-1	Appendices K and P	Appendix D, Table D-16B
23	Soil	Direct Push	2	1	Particle size, texture, moisture, porosity, dry bulk density	NA	2.5-1	Appendices K and P	Appendix D, Table D-17D,E
	Soil Gas	Direct Push	1	1.5	TO-14, D-1946	2-25	2.5-1	Appendices E, K, P	Appendix D, Table D-17C
			1	4	TO-14, D-1946	2-25	2.5-1	Appendices E, K, P	Appendix D, Table D-17C

Notes:

bgs Below ground surface
CAA Corrective action area
D-1946 American Society of Testing and Materials (ASTM) Method D-1946 for Atmospheric Gases and Methane in Air (ASTM 2000)
ft Feet
NA Not applicable
TO-14 U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)

TABLE 2-6
SUMMARY OF FIELD ACTIVITIES
METALS INVESTIGATION
ALAMEDA POINT
(Page 1 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
3	Soil	Direct Push	2	1	Inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			12	1	Organic lead, inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			3	3	Organic lead, inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			5	4	Inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			10	4	Organic lead, inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			3	5	Organic lead, inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			11	6	Inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
			10	6	Organic lead, inorganic lead	2-9	2.6-1	Appendices K, M, P	Appendix D, Table D-1B
	Ground Water	Direct Push	1	4.5	Inorganic lead	2-9	2.6-2	Appendices K, M, P	Appendix D, Table D-1A
			3	5	Organic lead, inorganic lead	2-9	2.6-2	Appendices K, M, P	Appendix D, Table D-1A
			1	6	Organic lead, inorganic lead	2-9	2.6-2	Appendices K, M, P	Appendix D, Table D-1A
			8	6	Inorganic lead	2-9	2.6-2	Appendices K, M, P	Appendix D, Table D-1A
			2	6.5	Inorganic lead	2-9	2.6-2	Appendices K, M, P	Appendix D, Table D-1A
4	Soil	Direct Push	1	1	Cadmium, pH	2-10	2.6-3	Appendices K, M, P	Appendix D, Table D-2B

TABLE 2-6
SUMMARY OF FIELD ACTIVITIES
METALS INVESTIGATION
ALAMEDA POINT
(Page 2 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
4	Soil	Direct Push	1	3	Cadmium, pH	2-10	2.6-3	Appendices K, M, P	Appendix D, Table D-2B
			5	3	Chromium, cadmium, chromium (VI), pH	2-10	2.6-3 and 2.7-1	Appendices K, M, P	Appendix D, Table D-2B
			1	5	Cadmium, pH	2-10	2.6-3	Appendices K, M, P	Appendix D, Table D-2B
			1	5	Chromium, cadmium	2-10	2.6-3	Appendices K, M, P	Appendix D, Table D-2B
			3	5	Chromium, cadmium, chromium (VI), pH	2-10	2.6-3 and 2.7-1	Appendices K, M, P	Appendix D, Table D-2B
	Ground Water	Direct Push	1	5	Cadmium	2-10	2.6-4	Appendices K, M, P	Appendix D, Table D-2A
			5	5	Chromium, cadmium, chromium (VI), pH	2-10	2.6-4 and 2.7-1	Appendices K, M, P	Appendix D, Table D-2A
			1	7	Chromium, cadmium, chromium (VI), pH	2-10	2.6-4 and 2.7-1	Appendices K, M, P	Appendix D, Table D-2A
			1	12	Chromium, cadmium, chromium (VI), pH	2-10	2.6-4 and 2.7-1	Appendices K, M, P	Appendix D, Table D-2A
5	Soil	Direct Push	5	0.5	Cadmium	2-11	2.6-5	Appendices K, M, P	Appendix D, Table D-3B
			3	1.5	Cadmium	2-11	2.6-5	Appendices K, M, P	Appendix D, Table D-3B
			8	5	Cadmium	2-11	2.6-5	Appendices K, M, P	Appendix D, Table D-3B
			11	6	Cadmium	2-11	2.6-5	Appendices K, M, P	Appendix D, Table D-3B
			11	8	Cadmium	2-11	2.6-5	Appendices K, M, P	Appendix D, Table D-3B

TABLE 2-6
SUMMARY OF FIELD ACTIVITIES
METALS INVESTIGATION
ALAMEDA POINT
(Page 3 of 3)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
5	Soil	Direct Push	6	10	Cadmium	2-11	2.6-5	Appendices K, M, P	Appendix D, Table D-3B
	Ground Water	Direct Push	1	3	Cyanide, chromium, cadmium, chromium (VI)	2-11	2.6-6 and 2.7-1	Appendices K, M, P	Appendix D, Table D-3A
			1	5	Cyanide, chromium, cadmium, chromium (VI)	2-11	2.6-6 and 2.7-1	Appendices K, M, P	Appendix D, Table D-3A
			2	7	Cyanide, chromium, cadmium	2-11	2.6-6	Appendices K, M, P	Appendix D, Table D-3A
			1	7	Cyanide, chromium, cadmium, chromium (VI)	2-11	2.6-6 and 2.7-1	Appendices K, M, P	Appendix D, Table D-3A
			1	8	Cyanide, chromium, cadmium, chromium (VI)	2-11	2.6-6 and 2.7-1	Appendices K, M, P	Appendix D, Table D-3A
			1	10	Cyanide, chromium, cadmium, chromium (VI)	2-11	2.6-6 and 2.7-1	Appendices K, M, P	Appendix D, Table D-3A

Notes:

bgs Below ground surface
ft Feet

TABLE 2-7
SUMMARY OF FIELD ACTIVITIES
CHROMIUM SPECIATION IN SOIL FOR RISK ASSESSMENT
ALAMEDA POINT
(Page 1 of 1)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
8	Soil	Surface Soil	1	0.5	Total chromium, chromium (VI)	2-13	2.7-1	Appendices K and P	Appendix D, Table D-5A
14	Soil	Surface Soil	1	0.5	Total chromium, chromium (VI)	2-19	2.7-1	Appendices K and P	Appendix D, Table D-11B
15	Soil	Surface Soil	1	0.5	Total chromium, chromium (VI)	2-20	2.7-1	Appendices K and P	Appendix D, Table D-12A
21	Soil	Direct Push	1	9	Total chromium, chromium (VI)	2-23	2.7-1	Appendices K, M, P	Appendix D, Table D-15B
23	Soil	Direct Push	1	1	Total chromium, chromium (VI)	2-25	2.7-1	Appendices K and P	Appendix D, Table D-17B

Notes:

bgs Below ground surface
ft Feet

TABLE 2-8
SUMMARY OF FIELD ACTIVITIES
EVALUATION OF STORM SEWERS AS A POSSIBLE PREFERENTIAL PATHWAY
ALAMEDA POINT
(Page 1 of 6)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
CAA 9A	Ground Water	Outfall	1	NA	VOC, TPPH, TEPH, MTBE	2-27	2.8-1	Appendices G, M, P	Appendix D, Table D-19A
4	Soil	Direct Push	1	4.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-2D,E
			1	8	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-2D,E
		Vacuum Excavation	1	4.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-2D,E
			1	8	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-2D,E
			1	10	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-2D,E
	Ground Water	Vacuum Excavation	1	5	VOC, TPPH, TEPH	2-10	2.8-1	Appendices K, G, M, P	Appendix D, Table D-2A
			1	7	VOC	2-10	2.8-1	Appendices K, G, M, P	Appendix D, Table D-2A
			1	8	VOC, TPPH, TEPH	2-10	2.8-1	Appendices K, G, M, P	Appendix D, Table D-2A
5	Soil	Direct Push	1	5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-3D,E
			1	7.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-3D,E
		Vacuum Excavation	1	5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-3D,E
			1	7.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-3D,E
	Ground Water	Vacuum Excavation	1	5	VOC, TPPH, TEPH, field parameters	2-11	2.8-1	Appendices K, G, M, P	Appendix D, Table D-3A

TABLE 2-8
SUMMARY OF FIELD ACTIVITIES
EVALUATION OF STORM SEWERS AS A POSSIBLE PREFERENTIAL PATHWAY
ALAMEDA POINT
(Page 2 of 6)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
5	Ground Water	Vacuum Excavation	1	7.5	VOC, TPPH, TEPH, field parameters	2-11	2.8-1	Appendices K, G, M, P	Appendix D, Table D-3A
		Manhole	6	NA	VOC, TPPH, TEPH	2-11	2.8-1	Appendices G, M, P	Appendix D, Table D-3A
		Catch Basin	2	NA	VOC, TPPH, TEPH	2-11	2.8-1	Appendices G, M, P	Appendix D, Table D-3A
6	Soil	Direct Push	1	3	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-4C,D
			1	5.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-4C,D
		Vacuum Excavation	1	3	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-4C,D
			1	5.4	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-4C,D
	Ground Water	Vacuum Excavation	1	3	VOC, TPPH, TEPH	2-12	2.8-1	Appendices K, G, M, P	Appendix D, Table D-4A
			1	5.4	VOC, TPPH, TEPH	2-12	2.8-1	Appendices K, G, M, P	Appendix D, Table D-4A
		Manhole	3	NA	VOC, TPPH, TEPH	2-12	2.8-1	Appendices G, M, P	Appendix D, Table D-4A
9	Soil	Direct Push	1	8.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-6C,D
		Vacuum Excavation	1	8.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-6C,D
	Ground Water	Vacuum Excavation	1	8.5	VOC, TPPH, TEPH, SVOC, field parameters	2-14	2.8-1	Appendices K, G, M, P	Appendix D, Table D-6A
		Manhole	2	NA	VOC, SVOC	2-14	2.8-1	Appendices G, M, P	Appendix D, Table D-6A

TABLE 2-8
SUMMARY OF FIELD ACTIVITIES
EVALUATION OF STORM SEWERS AS A POSSIBLE PREFERENTIAL PATHWAY
ALAMEDA POINT
(Page 3 of 6)

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
11	Soil	Direct Push	1	5.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-8C,D
13	Soil	Direct Push	1	5.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-10C,D
			1	8.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-10C,D
		Vacuum Excavation	1	5.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-10C,D
			1	8.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-10C,D
	Ground Water	Vacuum Excavation	1	5.5	VOC, TPPH, TEPH, SVOC, field parameters	2-18	2.8-1	Appendices K, G, P	Appendix D, Table D-10A
			1	8.5	VOC, TPPH, TEPH, SVOC, field parameters	2-18	2.8-1	Appendices K, G, P	Appendix D, Table D-10A
14	Soil	Direct Push	1	4.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-11E,F
			1	5.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-11E,F
		Vacuum Excavation	1	4.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-11E,F
			1	5.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-11E,F
	Sediment	Outfall	1	NA	VOC, TPPH, TEPH, dioxins and furans	2-19	2.8-1	Appendices G and P	Appendix D, Table D-11C
	Ground Water	Vacuum Excavation	1	4.0	VOC, TPPH, TEPH, field parameters	2-19	2.8-1	Appendices K, G, P	Appendix D, Table D-11A
			1	5.0	VOC, TPPH, TEPH, field parameters	2-19	2.8-1	Appendices K, G, P	Appendix D, Table D-11A

TABLE 2-8
SUMMARY OF FIELD ACTIVITIES
EVALUATION OF STORM SEWERS AS A POSSIBLE PREFERENTIAL PATHWAY
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
14	Ground Water	Catch Basin	2	NA	VOC, TPPH, TEPH	2-19	2.8-1	Appendices G and P	Appendix D, Table D-11A
		Outfall	1	NA	VOC, TPPH, TEPH	2-19	2.8-1	Appendices G and P	Appendix D, Table D-11A
16	Soil	Direct Push	1	6.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-13D,E
		Vacuum Excavation	1	4.7	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-13D,E
	Ground Water	Vacuum Excavation	1	5.0	VOC, TPPH, TEPH, field parameters	2-21	2.8-1	Appendices K, G, M, P	Appendix D, Table D-13A
		Catch Basin	1	NA	VOC, TPPH, TEPH	2-21	2.8-1	Appendices G, M, P	Appendix D, Table D-13A
		Outfall	1	NA	VOC, TPPH, TEPH	2-21	2.8-1	Appendices G, M, P	Appendix D, Table D-13A
21	Soil	Direct Push	1	7.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E
			1	8.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E
		Vacuum Excavation	1	5.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E
			1	5.7	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E
			1	6.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E
			1	7.5	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E
			1	8.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, M, P	Appendix D, Table D-15D,E

TABLE 2-8
SUMMARY OF FIELD ACTIVITIES
EVALUATION OF STORM SEWERS AS A POSSIBLE PREFERENTIAL PATHWAY
ALAMEDA POINT

Site	Media	Sample Type	Number of Samples	Sample Depth (ft bgs)	Analytes	Statistical Summary Table	Relevant Figure(s)	Relevant Field Data	Relevant Analytical Data
21	Ground Water	Vacuum Excavation	2	5.9	VOC, TPPH, TEPH	2-23	2.8-1	Appendices K, G, M, P	Appendix D, Table D-15A
			1	6.5	VOC, TPPH, TEPH	2-23	2.8-1	Appendices K, G, M, P	Appendix D, Table D-15A
			2	8.0	VOC, TPPH, TEPH	2-23	2.8-1	Appendices K, G, M, P	Appendix D, Table D-15A
			1	8.5	VOC, TPPH, TEPH	2-23	2.8-1	Appendices K, G, M, P	Appendix D, Table D-15A
		Manhole	2	NA	VOC, TPPH, TEPH	2-23	2.8-1	Appendices G, M, P	Appendix D, Table D-15A
		Outfall	1	NA	VOC, TPPH, TEPH	2-23	2.8-1	Appendices G, M, P	Appendix D, Table D-15A
23	Soil	Direct Push	1	7.8	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-17D,E
		Vacuum Excavation	1	7.0	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-17D,E
			1	7.8	Particle size, permeability, porosity, dry bulk density	NA	NA	Appendices K, G, P	Appendix D, Table D-17D,E
	Ground Water	Vacuum Excavation	1	8.0	VOC, TEPH	2-25	2.8-1	Appendices K, G, P	Appendix D, Table D-17A
			1	8.0	VOC, TPPH, TEPH, SVOC, field parameters	2-25	2.8-1	Appendices K, G, P	Appendix D, Table D-17A
		Manhole	1	NA	VOC, TPPH, TEPH, SVOC	2-25	2.8-1	Appendices G and P	Appendix D, Table D-17A

TABLE 2-8
SUMMARY OF FIELD ACTIVITIES
EVALUATION OF STORM SEWERS AS A POSSIBLE PREFERENTIAL PATHWAY
ALAMEDA POINT

Notes:

bgs	Below ground surface
CAA	Corrective action area
ft	Feet
MTBE	Methyl tert-butyl ether
NA	Not applicable
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TPPH	Total purgeable petroleum hydrocarbon
VOC	Volatile organic compound

TABLE 2-9
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 3
ALAMEDA POINT
(Page 1 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	13	13	2	2	2	2	0.5	3
1,1-Dichloroethene	13	13	1	1	1	1	2	2
1,2-Dichloroethene (total)	13	13	3	0.4	0.8	0.63	2	2
2-Butanone	13	13	3	0.7	3	2.23	2	2
Benzene	13	13	2	7	480	243.5	0.5	5
Carbon Disulfide	13	13	2	0.5	0.6	0.55	2	2
Chloroethane	13	13	1	14	14	14	2	2
Ethylbenzene	13	13	4	0.9	110	28.7	2	20
Toluene	13	13	4	0.4	2	1.1	2	2
Vinyl Chloride	13	13	1	3	3	3	0.5	0.5
Xylene (total)	13	13	5	0.6	320	64.9	2	20
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,2-Trichloroethane	20	20	1	8	8	8	1	1
1,1-Dichloroethene	20	20	1	1	1	1	1	1
1,2-Dichloroethane	20	20	4	1.4	18	8.05	1	1
Benzene	20	20	13	9.3	4600	896.9	1	200
Chlorobenzene	20	20	2	1.2	560	280.6	1	200
Chloroethane	20	20	1	1.6	1.6	1.6	1	1
Chloromethane	20	20	3	3.9	13	7.4	1	1
cis-1,2-Dichloroethene	20	20	4	1.5	100	31.5	1	1
Ethylbenzene	20	20	14	1.1	2400	217.0	1	200
meta- and para-Xylene	20	20	16	1.4	9600	704.8	1	200
Naphthalene	20	20	6	1.3	7.4	4.33	1	1
ortho-Xylene	20	20	8	1.1	2200	291.4	1	200
Toluene	20	20	15	1.9	170	14.4	1	1
Vinyl Chloride	20	20	2	1.7	4	2.85	1	1
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	13	13	6	0.06	3.0	1.03	0.05	0.25

TABLE 2-9
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 3
ALAMEDA POINT
(Page 2 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TPPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Gasoline Range Organics	20	20	16	66	1000000	86064	50	50
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	10	10	7	0.08	0.76	0.41	0.1	0.1
JP-5	10	10	2	0.35	1.1	0.73	0.1	0.1
Motor Oil Range Organics	10	10	1	0.39	0.39	0.39	0.1	0.1
PAH in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Acenaphthylene	9	9	1	2	2	2	2	2
Benz(A)anthracene	9	9	2	0.1	0.1	0.1	0.2	0.2
Benzo(A)pyrene	9	9	1	0.1	0.1	0.1	0.2	0.2
Fluoranthene	9	9	4	0.1	0.3	0.2	0.2	0.2
Pyrene	9	9	6	0.2	0.51	0.34	0.2	0.2
Total Metals in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Lead	12	12	7	1.7	210	84.7	0.65	1.3
Dissolved Metals in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Lead	7	7	2	87.0	179	133	0.78	0.78
VOC in Soil				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	5	5	1	21	21	21	2	2
Ethylbenzene	5	5	2	10	11	10.5	2	2
meta- and para-Xylene	5	5	2	32	53	42.5	2	2
Naphthalene	5	5	1	6.6	6.6	6.6	2	2
ortho-Xylene	5	5	2	9.6	32	20.8	2	2
Toluene	5	5	2	8.1	68	38.1	2	2

TABLE 2-9
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 3
ALAMEDA POINT
(Page 3 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TPPH in Soil				**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Gasoline Range Organics	5	5	4	530	8300	3258	100	100
TEPH in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Diesel Range Organics	6	6	5	14	100	54.2	10	10
Motor Oil Range Organics	6	6	2	33	1800	916.5	10	430
Total Metals in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Lead	55	54	50	2.9	13700	588.1	0.15	0.45
Organic Lead	23	23	1	3.2	3.2	3.2	0.49	0.49
Physical Properties of Soil				**%**	**%**	**%**	**%**	**%**
Percent Moisture	53	53	53	3.3	45.9	22.11	0	0
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	14	14	14	1.217	19.438	9.139	0.001	0.003
Methane	14	14	8	2.232	35.027	15.235	0.001	0.003
Nitrogen	14	14	14	43.13	81.42	71.46	0.01	0.01
Oxygen	14	14	14	1.48	20.70	10.69	0.01	0.01
D-1945H Compounds in Soil Gas				**ppmv**	**ppmv**	**ppmv**	**ppmv**	**ppmv**
Ethane	14	14	9	1.7	473.0	197.2	1	1
I-Butane	14	14	5	5.4	126.1	52.0	1	1
I-Pentane	14	14	11	3.1	48491.0	11433	1	1
N-Butane	14	14	8	7.2	6375.3	1483	1	1
N-Pentane	14	14	9	89.8	8137.0	2734	10	10
NMOC (C_{6+})	14	14	14	4.4	873.7	300.5	1	1
Propane	14	14	4	1.2	4.1	2.18	1	1

Continue

TABLE 2-9
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 3
ALAMEDA POINT
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Benzene	14	14	10	29.75	212642.38	68185.95	16.99	4782.92
Ethylbenzene	14	14	6	60.12	2857.88	1019.24	23.09	1125.37
meta- and para-Xylene	14	14	6	99.04	2763.82	1148.29	23.09	1443.7
Toluene	14	14	7	138.38	16354.05	4326.31	20.04	976.65

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and above
PAH	Polycyclic aromatic hydrocarbon
ppmv	Part per million volume
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/kg	Microgram per kilogram
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound