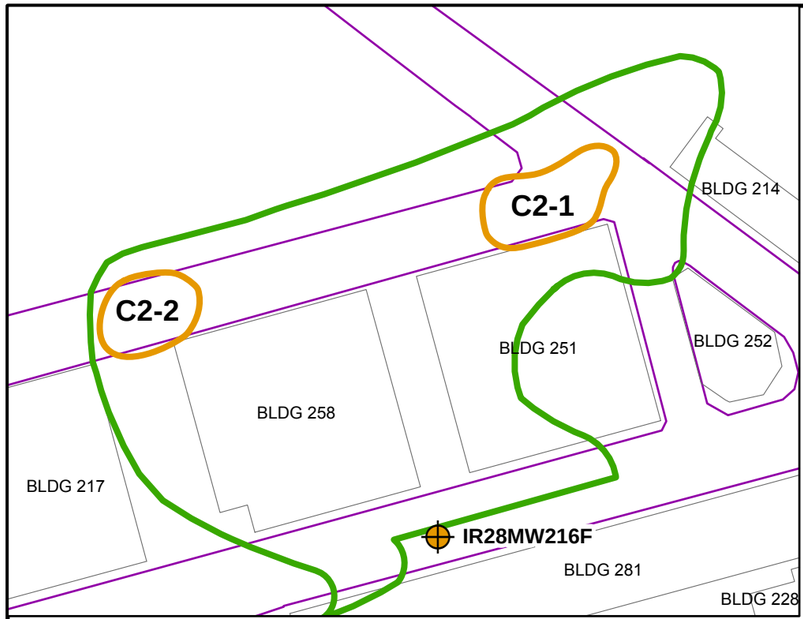
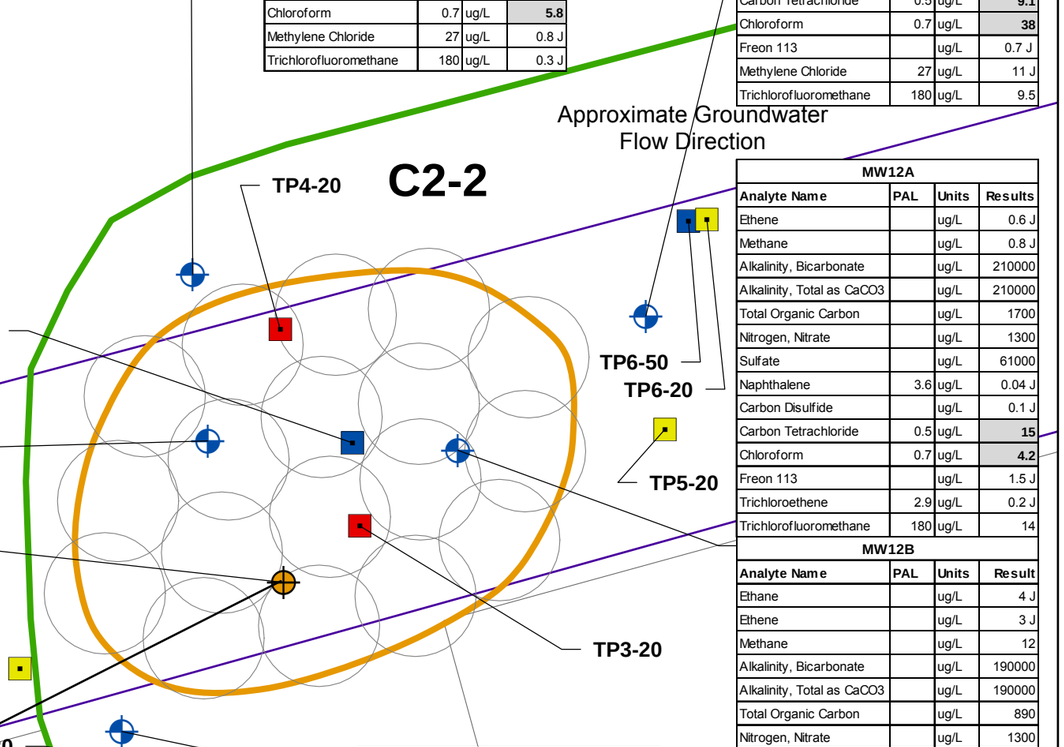


MW9A			
Analyte Name	PAL	Units	Results
Methane		ug/L	0.6 J
Alkalinity, Bicarbonate		ug/L	260000
Alkalinity, Total as CaCO3		ug/L	260000
Total Organic Carbon		ug/L	530
Nitrogen, Nitrate		ug/L	23000
Sulfate		ug/L	23000
Hexavalent Chromium	50	ug/L	30
bis(2-Ethylhexyl)phthalate		ug/L	2.4 J
Naphthalene	3.6	ug/L	0.03 J
Carbon Tetrachloride	0.5	ug/L	**1.1**
Chloroform	0.7	ug/L	0.2 J
Trichlorofluoromethane	180	ug/L	0.2 J

MW9B			
Analyte Name	PAL	Units	Results
Ethane		ug/L	18
Ethene		ug/L	3 J
Methane		ug/L	29
Alkalinity, Bicarbonate		ug/L	230000
Alkalinity, Total as CaCO3		ug/L	230000
Total Organic Carbon		ug/L	2400
Hexavalent Chromium	50	ug/L	7 J
Zinc	81	ug/L	9.7 J
Nitrogen, Nitrate		ug/L	250
Sulfate		ug/L	170000
Acenaphthylene		ug/L	0.03 J
Naphthalene	3.6	ug/L	0.07 J
Phenol		ug/L	2.4 J
Carbon Tetrachloride	0.5	ug/L	0.5 J
Chloroform	0.7	ug/L	**5.8**
Methylene Chloride	27	ug/L	0.8 J
Trichlorofluoromethane	180	ug/L	0.3 J

MW8A			
AnalyteName	PAL	Units	Results
Carbon Disulfide		ug/L	0.3 J
Carbon Tetrachloride	0.5	ug/L	**14**
Chloroform	0.7	ug/L	**12**
Freon 113		ug/L	7.8
Methylene Chloride	27	ug/L	0.9 J
Trichlorofluoromethane	180	ug/L	5.3

MW8B			
AnalyteName	PAL	Units	Results
Carbon Disulfide		ug/L	1.5
Carbon Tetrachloride	0.5	ug/L	**9.1**
Chloroform	0.7	ug/L	**38**
Freon 113		ug/L	0.7 J
Methylene Chloride	27	ug/L	11 J
Trichlorofluoromethane	180	ug/L	9.5



MW11A			
Analyte Name	PAL	Units	Result
Ethane		ug/L	1 J
Ethene		ug/L	0.9 J
Methane		ug/L	4 J
Alkalinity, Bicarbonate		ug/L	230000
Alkalinity, Total as CaCO3		ug/L	230000
Total Organic Carbon		ug/L	2500
Hexavalent Chromium	50	ug/L	7 J
Nitrogen, Nitrate		ug/L	220
Sulfate		ug/L	220000
Acetone		ug/L	1.2 Jb
Carbon Tetrachloride	0.5	ug/L	**2.1**
Chloroform	0.7	ug/L	**3.4**
Freon 113		ug/L	48
Methylene Chloride	27	ug/L	0.2 J
Tetrachloroethene	0.5	ug/L	0.2 J
Trichloroethene	2.9	ug/L	0.2 J
Trichlorofluoromethane	180	ug/L	33

MW11B			
Analyte Name	PAL	Units	Results
Ethane		ug/L	0.7 J
Ethene		ug/L	0.8 J
Methane		ug/L	3 J
Alkalinity, Bicarbonate		ug/L	200000
Alkalinity, Total as CaCO3		ug/L	200000
Hexavalent Chromium	50	ug/L	5 J
Zinc	81	ug/L	7.8 J
Nitrogen, Nitrate		ug/L	3400
Sulfate		ug/L	320000
Naphthalene	3.6	ug/L	0.07 J
Carbon Tetrachloride	0.5	ug/L	**9.6**
Chloroform	0.7	ug/L	**4.1**
Freon 113		ug/L	0.4 J
Trichloroethene	2.9	ug/L	0.3 J
Trichlorofluoromethane	180	ug/L	4.7

MW188F - Feb 2013			
Analyte Name	PAL	Units	Result
Carbon tetrachloride	0.5	µg/L	11
Chloroform	0.7	µg/L	1.9
Freon-11	180	µg/L	250 D
Tetrachloroethene	0.5	µg/L	0.1 J
Trichloroethene	2.9	µg/L	0.2 J

MW10A			
Analyte Name	PAL	Units	Results
Ethane		ug/L	1 J
Ethene		ug/L	0.9 J
Methane		ug/L	3 J
Alkalinity, Bicarbonate		ug/L	120000
Alkalinity, Total as CaCO3		ug/L	120000
Total Organic Carbon		ug/L	1900
Sulfate		ug/L	210000
bis(2-Ethylhexyl)phthalate		ug/L	49
Naphthalene	3.6	ug/L	0.02 J
Chloroform	0.7	ug/L	0.2 J
Freon 113		ug/L	0.4 J
Trichlorofluoromethane	180	ug/L	0.6 J

MW10B			
Analyte Name	PAL	Units	Results
Ethane		ug/L	2 J
Ethene		ug/L	0.6 J
Methane		ug/L	10
Alkalinity, Bicarbonate		ug/L	230000
Alkalinity, Total as CaCO3		ug/L	230000
Total Organic Carbon		ug/L	800
Nitrogen, Nitrate		ug/L	10 J
Sulfate		ug/L	15000
Hexavalent Chromium	50	ug/L	3 J
Naphthalene	3.6	ug/L	0.05 J
Carbon Disulfide		ug/L	0.2 J
Chloroform	0.7	ug/L	0.2 J
o-Xylene		ug/L	0.1 J

MW12A			
Analyte Name	PAL	Units	Results
Ethene		ug/L	0.6 J
Methane		ug/L	0.8 J
Alkalinity, Bicarbonate		ug/L	210000
Alkalinity, Total as CaCO3		ug/L	210000
Total Organic Carbon		ug/L	1700
Nitrogen, Nitrate		ug/L	1300
Sulfate		ug/L	61000
Naphthalene	3.6	ug/L	0.04 J
Carbon Disulfide		ug/L	0.1 J
Carbon Tetrachloride	0.5	ug/L	**15**
Chloroform	0.7	ug/L	**4.2**
Freon 113		ug/L	1.5 J
Trichloroethene	2.9	ug/L	0.2 J
Trichlorofluoromethane	180	ug/L	14

MW12B			
Analyte Name	PAL	Units	Result
Ethane		ug/L	4 J
Ethene		ug/L	3 J
Methane		ug/L	12
Alkalinity, Bicarbonate		ug/L	190000
Alkalinity, Total as CaCO3		ug/L	190000
Total Organic Carbon		ug/L	890
Nitrogen, Nitrate		ug/L	1300
Sulfate		ug/L	150000
Acenaphthylene		ug/L	0.04 J
bis(2-Ethylhexyl)phthalate		ug/L	1.8 J
Di-n-butylphthalate		ug/L	2.7 J
Naphthalene	3.6	ug/L	0.08 J
Phenol		ug/L	2.2 J
Carbon Disulfide		ug/L	0.7
Carbon Tetrachloride	0.5	ug/L	**110**
Chloroform	0.7	ug/L	**39**
Freon 113		ug/L	1.8 J
Freon 12		ug/L	0.2 J
Methylene Chloride	27	ug/L	0.3 J
Toluene		ug/L	0.8
Trichloroethene	2.9	ug/L	0.2 J
Trichlorofluoromethane	180	ug/L	88

LEGEND

- EXISTING MONITORING WELL (PROPOSED FOR EFFECTIVENESS MONITORING)
- PROPOSED MONITORING WELL

TEMPORARY WELL SAMPLE LOCATION

- A AQUIFER WITH CONCENTRATIONS EXCEEDING ≥10 TIMES THE SCREENING LEVEL
- A AQUIFER WITH NO CONCENTRATIONS EXCEEDING >10 TIMES THE SCREENING LEVEL
- B AQUIFER WITH CONCENTRATIONS EXCEEDING SCREENING LEVEL
- INJECTION BORING ROI (12-FT)
- BIOREMEDIATION AREA BASED ON A-AQUIFER EXCEEDANCE
- APPROXIMATE BOUNDARY OF RU-C2

Notes:

ROI - Radius of Influence

N W E S

0 15 30 60 Feet

DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE

REMEDIAL UNIT C2
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA
SAMPLING AND ANALYSIS PLAN

FIGURE B-6

INJECTION LOCATIONS AND PROPOSED MONITORING LOCATIONS FOR IN SITU TREATMENT AT C2-2

THE ALLIANCE COMPLIANCE GROUP JOINT VENTURE

DATE: FEBRUARY 2013
CONTRACT NO.: N62473-06-D-2206
TASK ORDER: 0093
DCN: ALNC-2206-0093-0006

V:\Projects\B418 Hunters Point\Egnyte\B-6_3-7 Injection Locations.mxd