N00296.002220
MOFFETT FIELD
SSIC NO. 5090.3

5090
Ser 1843.2/5008
April 27, 1995

Ms. Susan Gladstone
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

SUBJ: MOFFETT FEDERAL AIRFIELD (MFA) SITE 9 SOURCE CONTROL MEASURES (SCM) SELF-MONITORING REPORT FOR FEBRUARY 6, 1995 TO MARCH 5, 1995

Dear Ms. Gladstone:

The U.S. Navy is submitting this self-monitoring report for the three Site 9 SCMs at MFA. This self-monitoring report covers operations from February 6, 1995, to March 5, 1995. This report contains, in attachments, information on flow volumes, process stream pH and temperature, documentation of any leakage or overflow, system maintenance, discharge limit exceedences, and all sample analytical results. System operations and discharge limit exceedences for this reporting period were almost identical to those of the previous reporting period.

The Building 6 and Building 12 treatment systems ran continuously during this reporting period. The Building 45 system was off line during this period and will not operate until a chemical addition system can be installed to minimize a precipitate problem. Discharge limits for organic constituents were met by both of the operating systems for this reporting period, except for total petroleum hydrocarbons (TPH) extractable as motor oil at Building 6. The discharge limit for TPH is 50 micrograms per liter (µg/L). TPH as motor oil at Building 6 was not detected in the system influent or after the lead carbon bed, but was detected at 120 µg/L in the system effluent. The source of the motor oil is unknown since it was not present in the influent. The last time motor oil was detected in the system influent was November 21, 1994.

The Building 6 system samples exceeded the discharge limit for selenium and zinc in both the dissolved and total metals analyses. The selenium levels in the effluent were consistent with influent levels and only slightly exceeded the discharge limit. The effluent zinc levels were 180 µg/L in the dissolved sample and 209 µg/L in the total sample. The total zinc level in the influent was 250 µg/L. The discharge limit for zinc is 110 µg/L. The Building 12 system met discharge limits for inorganic constituents. All fish toxicity tests showed the treatment systems' effluent to be nontoxic to the three spined stickleback. Also, there is no apparent relationship between inorganic constituent concentrations in the National Aeronautics and Space Administration (NASA) settling basin and concentrations in the treatment system effluents. Details of all treatment system discharge limit exceedences and all sample data are included as an attachment.

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Both inorganic constituents that exceeded discharge limits during this operating period are naturally occurring in groundwater. These constituents are at levels consistent with those found in background data, historical extraction well data, basewide groundwater data, and receiving water data. It should be noted that the influent total metals analyses for copper, lead, selenium, and zinc all exceeded the allowable discharge limits. The inorganic constituents will continue to be monitored to evaluate if any trends are apparent or if the fluctuating effluent concentrations are due to changing natural levels.

I certify that the information contained in this document and all attachments is, to the best of my knowledge, accurate and complete. Please call Su Don Tu of my staff at (415) 244-2524 or Mark Kadnuck at (303) 295- 1101 if you have any questions or comments.

Sincerely,

STEPHEN CHAO
BRAC Installation Coordinator

Encl:
(1) Self-Monitoring Report for February 6, 1995 to March 5, 1995

Blind copy to:
PRC Environmental Management Inc. (Attn: Mark Kadnuck)
18, 1843, 18432, 18433
Admin. record
Chron, green
File: Moffett

MOFFETT FEDERAL AIRFIELD
SITE 9 SOURCE CONTROL MEASURES
SELF-MONITORING REPORT

Reporting Period: Feb. 6, 1995 - Mar. 5, 1995

System Data*	Bldg 45 System	Bldg 12 System	Bldg 6 System
Total Flow for Period (gal)	NA	49990	61740
Influent pH	NA	7	7.54
Effluent pH	NA	7.36	7.48
Influent Temperature (C)	NA	19.9	20.7
Effluent Temperature (C)	NA	19.1	18.9

* Analytical data is attached

Leakage or Overflow Documentation (include date, time, duration, location, and volume)
None

Treatment System Maintenance for Period
Building 45: System not operating.
Building 12: Changed out bagfilter on 2/13/95.
Building 6: None.

MOFFETT FEDERAL AIRFIELD
SITE 9 SOURCE CONTROL MEASURES
SELF-MONITORING REPORT

Reporting Period: Feb. 6, 1995 - Mar. 5, 1995

TREATMENT SYSTEM
DISCHARGE LIMIT EXCEEDENCE SUMMARY

Sample ID	Analyte	Concentration (ug/L)	Discharge Limit (ug/L)
TS-S9-SP4-06	Se (diss.)	5.6	5
TS-S9-SP4-06	Zn (diss.)	180	110
TS-S9-SP4-06	Se (tot.)	7.1	5
TS-S9-SP4-06	Zn (tot.)	209	110
TS-S9-SP4-06	TPH as motor oil	120	50

SAMPLE ID DESCRIPTION

BUILDING 6:
TS-S9-SP1-06 -- System Influent
TS-S9-SP3-06 -- GAC Bed 1 Effluent
TS-S9-SP4-06 -- System Effluent

BUILDING 12:
TS-S9-SP1-12 -- System Influent
TS-S9-SP3-12 -- GAC Bed 1 Effluent
TS-S9-SP4-12 -- System Effluent

BUILDING 45:
TS-S9-SP1-45 -- W61-1 System Influent
TS-S9-SP2-45 -- FP9-1 System Influent
TS-S9-SP3-45 -- Air Stripper Effluent
TS-S9-SP5-45 -- GAC Bed 1 Effluent
TS-S9-SP6-45 -- System Effluent

NASA SETTLING BASIN:
RW-S9-NSB-01 -- Settling Basin Effluent

CERTIFICATION

I certify that the information contained in this document is, to the best of my knowledge, accurate and complete.

Mark A. Kadnuck, P.E.
Project Engineer

COLORADO REGISTERED PROFESSIONAL ENGINEER
MARK A. KADNUCK
29842
5-1-95

2/6/95 - 3/5/95

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

FACSIMILE TRANSMITTAL COVER SHEET

TO: DATE: 3-10-95

Name: Jean Barranco

Company: PRC-Denver

Fax #: (303) -295 - 2818

FROM:

Name: Richard Jacobs

Total Number of Pages (INCLUDING COVER): 15

If all pages are not received, please notify sender at (408) 432-8192.

DID YOU KNOW THAT:

INCHCAPE TESTING SERVICES ENVIRONMENTAL LABORATORIES is a group of six laboratories in the United States and one in the United Kingdom.

COMMENTS: CTO: 235 SDG: MF002
5 day TAT.
TPH d, m, k, JP5: 01 thru 06
8010: 01 through 06, 08
9503046

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ITS Anametrix Laboratories, CA (408)432-8192 ITS Aquatec Laboratories, VT (802)655-1203
ITS NDRC Laboratories, Dallas, TX (214)238-5591 ITS Aquatec Laboratories, MA (508)990-3400
ITS NDRC Laboratories, Houston, TX (713) 661-8150 ITS West-Paine Laboratories, LA (504)769-4900
ITS Environmental Laboratories, St. Helens, UK (44) 0744-611553

CVR-May94

ITS-ANAMETRIX LABORATORIES
1961 Concourse Drive, San Jose, CA 95131, (408) 432-8192 FX (408) 432-8198

TOTAL FUEL HYDROCARBON REPORT

TPH as Diesel / Motor Oil

Preliminary Result.

Workorder # 9503046.

Client PRC.

Date Extracted 3/7/95.

Project # 235

Matrix WATER / SOIL

Instrument ID # HP9 / HP19 / HP23 / HP27

ANAMETRIX ID #	CLIENT ID #	DATE ANALYZED	REPORTING LIMIT (ppb) D M K T	AMOUNT FOUND (ppb) / ppm D M K T	% SURROGATE RECOVERY
1	S9SP1	3/9/95	100 100 100 100	ND ND ND ND	94%
2	SP306	↓	100 100 100 100	ND ND ND ND	93%
3	SP406	↓	100 100 100 100	ND 120 ND ND	94%
4	SP112	↓	100 100 100 100	ND ND ND 180	95%
5	SP312	↓	100 100 100 100	ND ND ND ND	96%
6	SP412	↓	100 100 100 100	ND ND ND ND	96%
BM0711F9	M. Blank.	3/9/95	100 100 100 100	ND ND ND ND	87%

Date: 3/9/95

Date:

Analyst: Joshi

Reviewer:

METHODS PERFORMED ARE THOSE SPECIFIED BY TRIREGIONAL GUIDELINES.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SP1

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-01

Sample wt/vol: .100 (g/mL) ML Lab File ID: HPM04601

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	25.	U
74-87-3	Chloromethane	25.	U
75-01-4	Vinyl chloride	25.	U
74-83-9	Bromomethane	25.	U
75-00-3	Chloroethane	25.	U
75-69-4	Trichlorofluoromethane	25.	U
76-13-1	Trichlorotrifluoroethane	25.	U
75-35-4	1,1-Dichloroethene	23.	J
75-09-2	Methylene chloride	20.	J
156-60-5	trans-1,2-Dichloroethene	25.	U
75-34-3	1,1-Dichloroethane	19.	J
156-59-2	cis-1,2-Dichloroethene	310.	
67-66-3	Chloroform	25.	U
71-55-6	1,1,1-Trichloroethane	25.	U
56-23-5	Carbon tetrachloride	25.	U
107-06-2	1,2-Dichloroethane	25.	U
79-01-6	Trichloroethene	1100.	
78-87-5	1,2-Dichloropropane	25.	U
75-27-4	Bromodichloromethane	25.	U
110-75-8	2-Chloroethylvinylether	25.	U
10061-01-5	cis-1,3-Dichloropropene	25.	U
10061-02-6	trans-1,3-Dichloropropene	25.	U
79-00-5	1,1,2-Trichloroethane	25.	U
127-18-4	Tetrachloroethene	160.	
124-48-1	Dibromochloromethane	25.	U
108-90-7	Chlorobenzene	25.	U
75-25-2	Bromoform	25.	U
79-34-5	1,1,2,2-Tetrachloroethane	25.	U
541-73-1	1,3-Dichlorobenzene	25.	U
106-46-7	1,4-Dichlorobenzene	25.	U
95-50-1	1,2-Dichlorobenzene	25.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP306

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HPM04602

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.5	U
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP406

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HPM04603

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.5	U
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP112

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-04

Sample wt/vol: .500 (g/mL) ML Lab File ID: HPM04604

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.	U
74-87-3	Chloromethane	5.	U
75-01-4	Vinyl chloride	78.	
74-83-9	Bromomethane	5.	U
75-00-3	Chloroethane	5.	U
75-69-4	Trichlorofluoromethane	5.	U
76-13-1	Trichlorotrifluoroethane	5.	U
75-35-4	1,1-Dichloroethene	4.	J
75-09-2	Methylene chloride	3.	J
156-60-5	trans-1,2-Dichloroethene	24.	
75-34-3	1,1-Dichloroethane	24.	
156-59-2	cis-1,2-Dichloroethene	150.	
67-66-3	Chloroform	5.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon tetrachloride	5.	U
107-06-2	1,2-Dichloroethane	5.	U
79-01-6	Trichloroethene	3.	J
78-87-5	1,2-Dichloropropane	5.	U
75-27-4	Bromodichloromethane	5.	U
110-75-8	2-Chloroethylvinylether	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
127-18-4	Tetrachloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
108-90-7	Chlorobenzene	5.	U
75-25-2	Bromoform	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
541-73-1	1,3-Dichlorobenzene	5.	U
106-46-7	1,4-Dichlorobenzene	5.	U
95-50-1	1,2-Dichlorobenzene	5.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP312

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HPM04605

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.7	
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.5	U
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP412

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HPM04606

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.3	J
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-01

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HPM04608

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.5	U
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF002P1

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: BM0603I1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: BM0603I1

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.5	U
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF002P2

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: BM0602I1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: BM0602I1

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	.5	U
75-35-4	1,1-Dichloroethene	.5	U
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	.5	U
75-34-3	1,1-Dichloroethane	.5	U
156-59-2	cis-1,2-Dichloroethene	.5	U
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	.5	U
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	.5	U
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	.5	U
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	.5	U
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	.5	U
106-46-7	1,4-Dichlorobenzene	.5	U
95-50-1	1,2-Dichlorobenzene	.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP306MS

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HMM04602

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	9.	
75-35-4	1,1-Dichloroethene	9.	
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	10.	
75-34-3	1,1-Dichloroethane	10.	
156-59-2	cis-1,2-Dichloroethene	11.	
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	9.	
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	10.	
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	9.	
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	8.	
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	8.	
106-46-7	1,4-Dichlorobenzene	9.	
95-50-1	1,2-Dichlorobenzene	8.	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP306MSD

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: 9503046-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HDM04602

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	9.	
75-35-4	1,1-Dichloroethene	9.	
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	10.	
75-34-3	1,1-Dichloroethane	10.	
156-59-2	cis-1,2-Dichloroethene	11.	
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	9.	
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	10.	
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	9.	
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	8.	
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	9.	
106-46-7	1,4-Dichlorobenzene	9.	
95-50-1	1,2-Dichlorobenzene	9.	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF002BS

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 235 SAS No.: SDG No.: MF002

Matrix: (soil/water) WATER Lab Sample ID: MM0601I1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MM0601I1

Level: (low/med) LOW Date Received: 03/02/95

% Moisture: not dec._____ Date Analyzed: 03/06/95

GC Column: Rtx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	.5	U
74-87-3	Chloromethane	.5	U
75-01-4	Vinyl chloride	.5	U
74-83-9	Bromomethane	.5	U
75-00-3	Chloroethane	.5	U
75-69-4	Trichlorofluoromethane	.5	U
76-13-1	Trichlorotrifluoroethane	9.	
75-35-4	1,1-Dichloroethene	9.	
75-09-2	Methylene chloride	.5	U
156-60-5	trans-1,2-Dichloroethene	10.	
75-34-3	1,1-Dichloroethane	10.	
156-59-2	cis-1,2-Dichloroethene	11.	
67-66-3	Chloroform	.5	U
71-55-6	1,1,1-Trichloroethane	9.	
56-23-5	Carbon tetrachloride	.5	U
107-06-2	1,2-Dichloroethane	.5	U
79-01-6	Trichloroethene	9.	
78-87-5	1,2-Dichloropropane	.5	U
75-27-4	Bromodichloromethane	.5	U
110-75-8	2-Chloroethylvinylether	.5	U
10061-01-5	cis-1,3-Dichloropropene	.5	U
10061-02-6	trans-1,3-Dichloropropene	.5	U
79-00-5	1,1,2-Trichloroethane	.5	U
127-18-4	Tetrachloroethene	9.	
124-48-1	Dibromochloromethane	.5	U
108-90-7	Chlorobenzene	8.	
75-25-2	Bromoform	.5	U
79-34-5	1,1,2,2-Tetrachloroethane	.5	U
541-73-1	1,3-Dichlorobenzene	9.	
106-46-7	1,4-Dichlorobenzene	9.	
95-50-1	1,2-Dichlorobenzene	9.	

5497

CHAIN-OF-CUSTODY RECORD 9503046 DESTINATION (10/28)

PROJECT NAME: MOFFETT SITE 9 SCM

PROJECT JOB #: 044-0235/RSC9C

SAMPLER(S): PRINTED NAME AND SIGNATURE: Steven Rodering

SAMPLING TEAM #:

	SAMPLE I.D.	DATE OF COLLECTION	TIME OF COLLECTION	SAMPLE MEDIUM (MATRIX)	GRAB	COMP	SAMPLE LOCATION	NUMBER/SIZE OF CONTAINERS	VOC 8010	TPH gas 8015	TPH diesel	Total Metals CLP	Diss Metals CLP						REMARKS
									ANALYSES REQUIRED										
									FIELD SAMPLE PREPARATION										
1	TB-59-SP1-06	3/2/95	1100	WATER	X		BUILDING 6 SP1	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						5 DAY TAT
2	TB-59-SP3-06		1120	WATER	X		BUILDING 6 SP3	6x40ml, 2x1-liter Amber	P	P	U								
3	TB-59-SP4-06		1145	WATER	X		BUILDING 6 SP4	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						
4	TB-59-SP1-12		1315	WATER	X		BUILDING 12 SP1	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						
5	TB-59-SP3-12		1335	WATER	X		BUILDING 12 SP3	6x40ml, 2x1-liter Amber	P	P	U								
6	TB-59-SP4-12		1400	WATER	X		BUILDING 12 SP4	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						
7	RW-59-NSB-01		1515	WATER	X		NASA SETTLING BASIN EFFLUENT	2x1-liter Poly				P							
8	TB-01		1100	WATER	X		TRIP BLANK	2x40 ml	P										

RELINQUISHED BY:	SIGNATURE	NAME (print)	COMPANY/TITLE	DATE	TIME
	Steven Rodering	Steven Rodering	PRC-SMS / ZNVR SCM	3/3/95	0850
RECEIVED BY:	Benny S. Carrizosa	BENNY S. CARRIZOSA	ITS ANAMETRIX	3/3/95	0850
RELINQUISHED BY:	Benny S. Carrizosa	BENNY S. CARRIZOSA	ITS ANAMETRIX	3/3/95	1100
RECEIVED BY:	Maria Barajas	Maria Barajas	ITS - Anametrix	3/3/95	1100
RELINQUISHED BY:					
RECEIVED BY:					

REMARKS:

REQ. TURN AROUND:

INSTRUCTIONS: Enter only one of the following four codes for each analysis required & for each sample listed. The codes should be entered under the columns labeled "ANALYSES REQUIRED".

U = UNPRESERVED AND UNFILTERED SAMPLE P = PRESERVED SAMPLE F = FILTERED SAMPLE B = BOTH PRESERVED & FILTERED SAMPLE

Laboratory: Please do include "Sample Receipt" on your invoice. The number zero is "0" and not the letter "O".

Inchcape Testing Services
Anametrix Laboratories

FAX TRANSMITTAL COVER SHEET

TO: **DATE:** 3-10-95

NAME: Jean Barranco

COMPANY: PRC - Denver

FAX #: (303) 295-2818

TOTAL NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 11

NOTE: Please confirm receipt of the fax and return this coversheet via fax:

RECEIVED BY: _____ **DATE:** _____

FROM:

NAME: Tracey Pham

ITS - ANAMETRIX LABORATORIES
FAX : (408) 383-7810
PHONE : (408) 432 - 8192

If all pages are not received, please notify the sender at (408) 432 - 8192.

COMMENTS: CTO : 235 SDG : MF002
PRC - Moffett Site 9 - 5 days TAT
Metals ; 9503046-01, -03, -04, -06 (Totals and Dissolved
- 07 (Totals only

549.

CHAIN-OF-CUSTODY RECORD 9503046 DESTINATION (10/28)

PROJECT NAME: MOFFETT SITE 9 SCM

PROJECT JOB #: 044-0235/RSC9C

SAMPLERS: PRINTED NAME AND SIGNATURE: Steven Roberts

SAMPLING TEAM #:

#	SAMPLE I.D.	DATE OF COLLECTION	TIME OF COLLECTION	SAMPLE MEDIUM (MATRIX)	GRAB	COMP	SAMPLE LOCATION	NUMBER/SIZE OF CONTAINERS	VOC 8010	TPH purg 8015	TPH diesel	Total Metals	Diss Metals						REMARKS
									ANALYSES REQUIRED										
1	TB-59-SP1-06	3/2/95	1100	WATER	X		BUILDING 6 SP1	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						5 DAY TAT
2	TB-59-SP3-06		1120	WATER	X		BUILDING 6 SP3	6x40ml, 2x1-liter Amber	P	P	U								
3	TB-59-SP4-06		1145	WATER	X		BUILDING 6 SP4	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						
4	TB-59-SP1-12		1315	WATER	X		BUILDING 12 SP1	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						
5	TB-59-SP3-12		1335	WATER	X		BUILDING 12 SP3	6x40ml, 2x1-liter Amber	P	P	U								
6	TB-59-SP4-12		1400	WATER	X		BUILDING 12 SP4	6x40ml, 2x1-liter Amber, 2x1-liter Poly	P	P	U	P	B						
7	RW-59-NSB-01		1515	WATER	X		NASA SETTLING BASIN EFFLUENT	2x1-liter Poly				P							
8	TB-01		1100	WATER	X		TRIP BLANK	2x40 ml	P										

RELINQUISHED BY: SIGNATURE	NAME (print)	COMPANY/TITLE	DATE	TIME
Steven Roberts	Steven Roberts	PRC-SMS / 2ND SCM	3/3/95	0950
RECEIVED BY: Benny S. Carrizosa	BENNY S. CARRIZOSA	ITS ANALYTIX	3/3/95	0850
RELINQUISHED BY: Benny S. Carrizosa	BENNY S. CARRIZOSA	ITS ANALYTIX	3/3/95	1100
RECEIVED BY: Maria Barajas	Maria Barajas	ITS - Analytix	3/3/95	1100
RELINQUISHED BY:				
RECEIVED BY:				

REMARKS:

REQ. TURN AROUND

INSTRUCTIONS: Enter only one of the following four codes for each analysis required & for each sample listed. This codes should be entered under the columns labeled "ANALYSES REQUIRED".

U = UNPRESERVED AND UNFILTERED SAMPLE P = PRESERVED SAMPLE F = FILTERED SAMPLE B = BOTH PRESERVED & FILTERED SAMPLE

P.02

MAR-10-1995 16:42

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

NSB01T

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-07T

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	563			P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	29.6	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.22	B		P
7440-70-2	Calcium	24700			P
7440-47-3	Chromium	2.8	B		P
7440-48-4	Cobalt	0.61	B		P
7440-50-8	Copper	13.4	B		P
7439-89-6	Iron	640			P
7439-92-1	Lead	9.6			P
7439-95-4	Magnesium	8100			P
7439-96-5	Manganese	35.0			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.7	B		P
7440-02-0	Nickel	2.6	B		P
7440-09-7	Potassium	1210	B		P
7782-49-2	Selenium	2.1	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	8220			P
7440-28-0	Thallium	2.0			P
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	93.4			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
Bldg 6
S9SP1D

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-01D

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.7	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	22.7	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	173000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.9	B		P
7439-89-6	Iron	19.0	B		P
7439-92-1	Lead	1.0	B		P
7439-95-4	Magnesium	60200			P
7439-96-5	Manganese	22.8			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	U		P
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	1700	B		P
7782-49-2	Selenium	5.9			P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	38000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.3	B		P
7440-66-6	Zinc	95.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

ments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
Bldg 6
S9SP1T

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-01T

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.3	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	22.0	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	174000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	126			P
7439-89-6	Iron	27.1	B		P
7439-92-1	Lead	36.0			P
7439-95-4	Magnesium	60800			P
7439-96-5	Manganese	21.9			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	3.7	B		P
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	1700	B		P
7782-49-2	Selenium	6.8			P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	38200			P
7440-28-0	Thallium	2.9			P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	250			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

ments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SP112D

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-04D

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.3	B		P
7440-36-0	Antimony	1.6	B		P
7440-38-2	Arsenic	12.6			P
7440-39-3	Barium	424			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	2290			P
7439-92-1	Lead	1.1	B		P
7439-95-4	Magnesium	66600			P
7439-96-5	Manganese	594			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	U		P
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	2600	B		P
7782-49-2	Selenium	2.1	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	52900			P
7440-28-0	Thallium	4.1			P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	17.3	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SP112T

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-04T

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.5	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	9.7	B		P
7440-39-3	Barium	426			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	147000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	7.6	B		P
7439-89-6	Iron	2480			P
7439-92-1	Lead	1.1	B		P
7439-95-4	Magnesium	66000			P
7439-96-5	Manganese	591			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	U		P
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	2580	B		P
7782-49-2	Selenium	2.1	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	56400			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	43.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SP406D

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-03D

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.8	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	24.6	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	168000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.83	B		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	64.2	B		P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	59300			P
7439-96-5	Manganese	11.8	B		P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	B		P
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	1670	B		P
7782-49-2	Selenium	5.6			P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	37200			P
7440-28-0	Thallium	3.1			P
7440-62-2	Vanadium	0.75	B		P
7440-66-6	Zinc	180			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SP406T

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-03T

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30.2	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	25.3	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	175000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.58	B		P
7440-50-8	Copper	5.4	B		P
7439-89-6	Iron	84.6	B		P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	61600			P
7439-96-5	Manganese	12.0	B		P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	U		P
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	1700	B		P
7782-49-2	Selenium	7.1			P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	38600			P
7440-28-0	Thallium	2.0			P
7440-62-2	Vanadium	0.66	B		P
7440-66-6	Zinc	209			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SP412D

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-06D

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.4	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	4.1	B		P
7440-39-3	Barium	386			P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	146000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.57	B		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	196			P
7439-92-1	Lead	1.3	B		P
7439-95-4	Magnesium	66700			P
7439-96-5	Manganese	492			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	U		P
7440-02-0	Nickel	3.7	B		P
7440-09-7	Potassium	2600	B		P
7782-49-2	Selenium	2.1	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	54800			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.56	B		P
7440-66-6	Zinc	58.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SP412T

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 235 SAS No.: 000000 SDG No.: MF002

Matrix (soil/water): WATER Lab Sample ID: 03046-06T

Level (low/med): LOW Date Received: 03/02/95

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30.7	B		P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	3.7	B		P
7440-39-3	Barium	387			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	145000			P
7440-47-3	Chromium	1.9	U		P
7440-48-4	Cobalt	0.65	B		P
7440-50-8	Copper	5.1	B		P
7439-89-6	Iron	262			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	66600			P
7439-96-5	Manganese	493			P
7439-97-6	Mercury	0.10	U		CV
7439-98-7	Molybdenum	2.2	U		P
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	2590	B		P
7782-49-2	Selenium	2.1	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	49400			P
7440-28-0	Thallium	2.3			P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	59.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN (ILM02.1)

11

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

FACSIMILE TRANSMITTAL COVER SHEET

TO: DATE: 3/22/95

Name: Jean Barranco

Company: PRC - Denver

Fax #: (303) 295 - 2818

FROM:

Name: Tracey Pham

Total Number of Pages (INCLUDING COVER): 14
If all pages are not received, please notify sender at (408) 432-8192.

DID YOU KNOW THAT:

INCHCAPE TESTING SERVICES ENVIRONMENTAL LABORATORIES is a group of six laboratories in the United States and one in the United Kingdom.

COMMENTS: CTO: 235 SDG#: MF002
PRC - Moffett - Site 9
TPHg / BTEX : 9503046- 01 → 06.

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ITS Anametrix Laboratories, CA (408)432-8192 ITS Aquatec Laboratories, VT (802)655-1203
ITS NDRC Laboratories, Dallas, TX (214)238-5591 ITS Aquatec Laboratories, MA (508)990-3400
ITS NDRC Laboratories, Houston, TX (713) 661-8150 ITS West-Paine Laboratories, LA (504)769-4900
ITS Environmental Laboratories, St. Helens, UK (44) 0744-611553

CVR-May94

Data Inc.
Denver, CO 80202
(303) 296-1101

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: MOFFETT SITE 9 SCM

PROJECT JOB #: 044-0235/RSC9C

SAMPLER(S): PRINTED NAME AND SIGNATURE: Steven Roering

SAMPLING TEAM #: —

ANALYSES REQUIRED: VOC 8010; TPH gas 8015; TPH diesel; Total Metals; Diss Metals

FIELD SAMPLE PREPARATION

	SAMPLE I.D.	DATE OF COLLECTION	TIME OF COLLECTION	SAMPLE MEDIUM (MATRIX)	GRAB	COMP	SAMPLE LOCATION	NUMBER/SIZE OF CONTAINERS	VOC 8010	TPH gas 8015	TPH diesel	Total Metals	Diss Metals						REMARKS
1	TB-S9-SP1-06	3/2/95	1400	WATER	X		BUILDING 6 SP1	6x40ml, 2x1-liter Amber, 4x5-liter Poly	P	P	U	P	B						5 DAY TAT
2	TB-S9-SP3-06		1120	WATER	X		BUILDING 6 SP3	6x40ml, 2x1-liter Amber	P	P	U								
3	TB-S9-SP4-06		1145	WATER	X		BUILDING 6 SP4	6x40ml, 2x1-liter Amber, 4x5-liter Poly	P	P	U	P	B						
4	TB-S9-SP1-12		1315	WATER	X		BUILDING 12 SP1	6x40ml, 2x1-liter Amber, 4x5-liter Poly	P	P	U	P	B						
5	TB-S9-SP3-12		1335	WATER	X		BUILDING 12 SP3	6x40ml, 2x1-liter Amber	P	P	U								
6	TB-S9-SP4-12		1400	WATER	X		BUILDING 12 SP4	6x40ml, 2x1-liter Amber, 4x5-liter Poly	P	P	U	P	B						
7	RW-S9-NSB-01		1515	WATER	X		NASA SETTLING BASIN EFFLUENT	2x5-liter Poly				P							
8	TB-01		1100	WATER	X		TRIP BLANK	2x40 ml	P										

Laboratory: Please designate each sample number with a "0" and the batch number.

RELINQUISHED BY: (SIGNATURE)	NAME (print)	COMPANY/TITLE	DATE	TIME
Steven Roering	Steven Roering	PRC-SMS / ZNVR SCS	3/3/95	0850
RECEIVED BY: Benny S. Carrizosa	BENNY S. CARRIZOSA	ITS ANAMETRIX	3/3/95	0850
RELINQUISHED BY: Benny S. Carrizosa	BENNY S. CARRIZOSA	ITS ANAMETRIX	3/3/95	1100
RECEIVED BY: Maria Barajas	Maria Barajas	ITS - Anametrix	3/3/95	1100
RELINQUISHED BY:				
RECEIVED BY:				

REMARKS:

RED. TURN AROUND

INSTRUCTIONS: Enter only one of the following four codes for each analysis required & for each sample listed. The codes should be entered under the columns labeled "ANALYSES REQUIRED".

U = UNPRESERVED AND UNFILTERED SAMPLE P = PRESERVED SAMPLE F = FILTERED SAMPLE B = BOTH PRESERVED & FILTERED SAMPLE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD TPHg
ANAMETRIX, INC. (408)432-8192

Project ID : 235
Sample ID : S9SP1
Matrix : WATER
Date Sampled : 3/ 2/95
Date Analyzed : 3/10/95
Instrument ID : HP21

Anametrix ID : 9503046-01
Lab File ID : FRM04601
% Moisture : 100.

Dilution Factor : 2.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	100.	620.	

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD BTEX
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-01
Sample ID	: S9SP1	Lab File ID	: PRM04601
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/10/95	Dilution Factor	: 2.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	1.0	ND	U
108-88-3	Toluene	1.0	ND	U
100-41-4	Ethylbenzene	1.0	ND	U
1111-11-1	Total Xylenes	1.0	ND	U

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD TPHg
ANAMETRIX, INC. (408)432-8192

roject ID	: 235	Anametrix ID	: 9503046-04
ample ID	: SP112	Lab File ID	: FTM04604
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/14/95	Dilution Factor	: 100.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	5000.	20000.	

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD BTEX
ANAMETRIX, INC. (408)432-8192

oject ID	: 235	Anametrix ID	: 9503046-04
ample ID	: SP112	Lab File ID	: PTM04604
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/14/95	Dilution Factor	: 100.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	50.	1100.	
108-88-3	Toluene	50.	540.	
100-41-4	Ethylbenzene	50.	1500.	
1111-11-1	Total Xylenes	50.	1300.	

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD TPHg
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-02
Sample ID	: SP306	Lab File ID	: FPM04602
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/ 9/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD BTEX
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-02
Sample ID	: SP306	Lab File ID	: PPM04602
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/ 9/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1111-11-1	Total Xylenes	.50	ND	U

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD TPHg
ANAMETRIX, INC. (408)432-8192

Project ID : 235
Sample ID : SP312
Matrix : WATER
Date Sampled : 3/ 2/95
Date Analyzed : 3/10/95
Instrument ID : HP21

Anametrix ID : 9503046-05
Lab File ID : FPM04605
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD BTEX
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-05
Sample ID	: SP312	Lab File ID	: PPM04605
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/10/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1111-11-1	Total Xylenes	.50	ND	U

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD TPHg
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-03
Sample ID	: SP406	Lab File ID	: FPM04603
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/ 9/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	31.	J

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD BTEX
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-03
Sample ID	: SP406	Lab File ID	: PPM04603
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/ 9/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1111-11-1	Total Xylenes	.50	ND	U

GC/TPH - PAGE

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD TPHg
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-06
Sample ID	: SP412	Lab File ID	: FPM04606
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/10/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U

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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD BTEX
ANAMETRIX, INC. (408)432-8192

Project ID	: 235	Anametrix ID	: 9503046-06
Sample ID	: SP412	Lab File ID	: PPM04606
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 2/95		
Date Analyzed	: 3/10/95	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1111-11-1	Total Xylenes	.50	ND	U

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ToxScan, Inc. *42 Hangar Way • Watsonville, CA 95076-2404 • (408) 724-4522 • FAX (408) 724-3188*

PRC Environmental Management, Inc.
1099 18th Street, Suite 1960
Denver, CO 80202

8 March, 1995

ATTN: Jean Barranco

Static acute bioassays were performed on two water samples received from PRC using the 3-spined Stickleback (*Gasterosteus aculeatus*). Samples were collected by PRC personnel and delivered to ToxScan's Watsonville laboratory where the sample set was assigned ToxScan number T-11865. The water was tested using 100%, and 0% (control) concentrations of the sample as delivered. The testing method used was: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.* EPA/600/4-90/027, 1991.

All fish were held in the laboratory for at least 2 days prior to test initiation, and no mortality was observed in the species before testing was started.

BIOASSAY CONDITIONS

Date Sampled:	2 March, 1995
Date Started:	3 March, 1995
Lighting:	10-20 microE/M^2/s

	Sticklebacks
No. Fish/Tank:	10
Vol. of Test Solution:	9 L
Test Temperature:	20 ± 2°C

SUMMARY TABLE Percent Survival after 96 hours.

Sample ID	Sticklebacks (*G. aculeatus*)
TS-S9-SP4-06	100
TS-S9-SP4-12	100
Control	100

If you have any questions regarding this report or the methods used for this test please give us a call. Thank you for your patronage.

Raymond P. Markel, Ph.D.
Director, Bioassay Division

96 h Acute Toxicity Test Data Sheet

Lab #	T-11865	Start Date	3 March 1995
Client	PRC Environmental Management, Inc.	End Date	7 March 1995
ID	TS-S9-SP4-06 & TS-S9-SP4-12	Species	G. aculeatus

Treat-ment (ID)	Number Alive at Observation Time (h) 0	24	48	72	96	Environmental Monitoring	0	24	48	72	96
Control	10	10	10	10	10	pH	8.2	7.8	8.2	8.3	8.2
						DO	8.5	5.9*	8.7	8.8	8.7
						Temp	21.0	20.1	20.2	19.9	19.3
Control	10	10	10	10	10	pH	8.3	7.8	8.2	8.3	8.2
						DO	8.5	6.4	8.6	8.7	8.6
						Temp	21.0	20.1	20.2	19.9	19.4
-06	10	10	10	10	10	pH	7.5	8.0	8.6	8.7	8.5
						DO	7.2	6.1	8.7	8.8	8.6
						Temp	20.5	20.2	20.4	19.8	19.5
-06	10	10	10	10	10	pH	7.5	8.0	8.6	8.4	8.3
						DO	7.2	6.1	8.7	8.8	8.7
						Temp	20.6	20.2	20.1	19.8	19.3
-12	10	10	10	10	10	pH	7.5	7.8	8.4	8.4	8.5
						DO	7.3	6.4	8.6	8.8	8.6
						Temp	20.3	20.1	20.3	20.0	19.7
-12	10	10	10	10	10	pH	7.4	7.9	8.4	8.5	8.6
						DO	7.2	6.4	8.7	8.9	8.7
						Temp	20.2	20.2	20.2	19.7	19.3

Hardness

Control-initial	240	Sample -06-initial	688	Sample -12-initial	670
Control-final	240	Sample -06-final	670	Sample -12-final	340

Alkalinity

Control-initial	113	Sample -06-initial	390	Sample -12-initial	690
Control-final	120	Sample -06-final	300	Sample -12-final	360

Conductivity

Control-initial	1100	Sample -06-initial	1160	Sample -12-initial	1150
Control-final	1180	Sample -06-final	1100	Sample -12-final	710

* Aeration initiated due to low DO readings

FISH WEIGHT AND LENGTH ANALYSIS SHEET

TEST SPECIFICATIONS:

Date Started:	3 March 1995
Date Completed:	7 March 1995
Test Species:	3-spined Stickleback (*Gasterosteus aculeatus*)
# Organisms/Tank:	10
Volume/Tank:	9 Liters
Test Material Concentrations:	0% (control) and 100%
Replicates/Concentration:	2

Fish Weights and Lengths: Lot Number GA010495

Fish No.	Weight (g)	Length (mm)
1	0.3753	32
2	0.3380	32
3	0.4119	33
4	0.5467	37
5	0.5545	36
6	0.5271	35
7	0.5859	38
8	0.5329	37
9	0.5095	35
10	0.7271	39
Total	5.1089	354
Mean	0.5109	35.4