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MOFFETT FIELD
SSIC NO. 5090.3

QUARTERLY POST-CLOSURE MONITORING REPORT
MOFFETT FEDERAL AIRFIELD
MOFFETT FIELD, CALIFORNIA

Contract No. N62474-93-D-2151
Delivery Order 0108

Submitted to:

Department of the Navy
Engineering Field Activity, West
Naval Facilities Engineering Gommand
900 Commodore Drive, Building 208
San Bruno, California

Submitted by:

IT Corporation
4005 Port Chicago Highway
Concord, California 94520

October 1999

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A Member of The IT Group

October 6, 1999

773189-ITNHO-1005

Mr. Marc Feinberg, Code 645
Procuring Contracting Officer
Department of the Navy
Engineering Field Activity, West
900 Commodore Drive, Building 208
San Bruno, California 94066-2402

Attention: Mr. Hubert Chan, RPM, Code 6421

Contract: N62474-93-D-2151, Environmental Remediation Contract for Sites in Northern and Central California and in Nevada

Subject: Quarterly Post-Closure Monitoring Report (1st Quarter), Delivery Order No. 0108, Sites 1 and 2 Monitoring and Landfill Maintenance, Moffett Federal Airfield, Moffett Field, California

Dear Mr. Chan:

Enclosed are three copies of the 1st Quarter Post-Closure Monitoring Report for the Site 1 and 2 Landfills at Moffett Federal Airfield. Sampling and monitoring was performed on July 12, and 13, 1999. The report includes summary tables of the analytical results. Copies have also been sent directly to the individuals listed below.

Should you have questions or require further information, please contact the undersigned at (925) 288-2172.

Sincerely,
IT CORPORATION

Dennis R. Julio, P.E.
Project Manager
D.O. 0108

Valerie Crooks, P.E.
Program Manager
EFA-West, PMO

Enclosure

cc: Mr. Myles Jones, RAC ACO, Code 7561 (without enclosure)
Mr. Lee Cherry, RAC COTR, Code 70221 (without enclosure)
Mr. Jerry Taleghani, Moffett Field, ROICC
Mr. Don Chuck, Moffett Field, RPM (including complete copy of original laboratory data)
Mr. Timothy Mower, Tetra Tech EM Inc. (including electronic version of data)
D.O. 0059 Files

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3257

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE

(Read Instructions on the reverse side prior to initiating this form)

DATE October 5, 1999

TRANSMITTAL NO. 003

Section I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS *(This Section will be initiated by the contractor)*

TO: Mr. Mark Feinberg, Code 645
Engineering Field Activity, West
Naval Facilities Engineering Command
900 Commodore Drive, Bldg B208
San Bruno, California 94066-2402
Attn: Hubert Chan

FROM:
IT Corporation
4005 Port Chicago Highway
Concord, CA 94520

CONTRACT NO.
N62474-93-D-2151

D.O. # 0108

CHECK ONE:
X THIS IS A NEW TRANSMITTAL
☐ THIS IS A RESUBMITTAL OF TRANSMITTAL

SPECIFICATION NO. (Cover only one section with each transmittal) Statement of Work

PROJECT TITLE AND LOCATION: Site 1 and Site 2 Monitoring and Landfill Maintenance; Moffett Federal Airfield; Moffett Field, CA

ITEM NO a.	DESCRIPTION OF ITEM SUBMITTED *(Type, size, model number, etc.)* b.	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. *(See Instruction No. 8)* c.	NO. OF COPIES d.	CONTRACT REFERENCE DOCUMENT		FOR CONTRACTOR USE CODE g.	VARIATION *(See Instruction No. 6)* h.	FOR C E USE CODE i.
				SPEC. PARA. NO. e.	DRAWING SHEET NO. f.			
001	Quarterly Monitoring Report (1st Quarter), SD-09	na	3	Statement of Work	na	A		

REMARKS
cc: Mr. J. Taleghani, Moffett
Mr. D. Chuck, Moffett
Mr. T. Mower, TtEMI
Ms. R. Condit, IT
Mr. D. Julio, IT
Project File

✓ Approved
_____ Approved with corrections as noted on submittal data and/or attached sh

SIGNATURE: Thomas A Davis
TITLE: PCM Manager
DATE: 10-6-99

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.

IT CORPORATION

10.05.99

NAME AND SIGNATURE OF CONTRACTOR

Section II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY	DATE

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B	Summary of Analytical Results

1.0 Introduction

Quarterly post-closure monitoring of the Operable Unit 1 (OU1) at Moffett Federal Airfield (MFA), California, was performed by IT Corporation (IT) in compliance with the IT's *Sampling and Analysis Plan (SAP) Postclosure Monitoring (Site 1) and Groundwater Monitoring (Site 2), June 1999 (Revision 0).* OU1 consist of two landfills: Runway Landfill (Site 1) and the former Golf Course Landfill (Site 2). Quarterly monitoring was performed on July 12, and 13, 1999. This report summarizes the analytical and field results obtained during this sampling event and includes the following information:

- Landfill gas monitoring results;
- Analytical results from groundwater monitoring; and
- Data quality assessment report.

2.0 Landfill Gas Sampling

Landfill gas sampling was performed from 19 passive gas vents and four landfill gas monitoring wells at Site 1. The location of all gas monitoring points are shown on Figure 1. Landfill gas monitoring was performed using a Landtec GA 90™ portable methane gas monitor. Results from methane monitoring at each sampling location are shown in Table 2-1.

Table 2-1: Methane Gas Results for MFA Site 1

Monitoring Location	% Methane in Landfill Gas	Monitoring Location	% Methane in Landfill Gas
Gas Venting Points			
GV-1	8.5	GV-11	58.0
GV-2	4.5	GV-12	36.5
GV-3	0.5	GV-13	33.1
GV-4	2.9	GV-14	11.6
GV-5	56.5	GV-15	0.6
GV-6	13.5	GV-16	33.4
GV-7	57.1	GV-17	3.4
GV-8	54.2	GV- 18	0.3
GV-9	11	GV-19	0.3
GV-10	57.6		
Landfill Gas Monitoring Wells			
LGMW1-1	0.0	LGMW 1-3	0.0
LGMW1-2	0.2	LGMW 1-4	0.0

3.0 Groundwater Monitoring

Groundwater samples were collected from eight monitoring wells at Site 1 and six monitoring wells from Site 2. The monitoring well IDs and analyses performed at each well are shown in Table 3-1. Water level measurements were collected from 14 wells and piezometers at Site 1 and eight wells at Site 2. The locations of all groundwater sampling/measurement points are shown on Figure 1 for Site 1 and Figure 2 for Site 2. Water level measurement data is presented in Appendix A. All monitoring well sampling was performed using low flow micro-purging techniques. Field parameters such as pH, temperature, conductivity, turbidity, and oxidation/reduction potential were measured throughout the well purging procedure. The field parameter data are recorded on the "Groundwater Monitoring Data Forms," which are included in Appendix A. A summary of analytical results for each monitoring well is provided in Appendix B.

Table 3-1: Monitoring Well ID and Analyses

ID	Analyses
Site 1	
W1-1	Monitoring well not found
W1-5 W1-8 W1-12 W1-14 W1-15 W1-16 W1-19 W1-22 W1-23	Volatile Organic Compounds (VOCs) (EPA 8260) Total Metals (EPA 6010B) Dissolved Metals (EPA 6010B) Pesticides/PCBs (EPA 8081/8082) Total Organic Carbon (TOC) (EPA 415.1) Nitrite/Nitrate as Nitrogen (EPA 353.1)
W1-24	Not installed
Site 2	
W2-5 W2-6 W2-12 W2-14 W2-15 W2-16	CLP SOW Volatile Organic Analysis (VOA) CLP SOW Semi-volatile Organic Analysis (SVOA) CLP Pesticides/PCBs Total Petroleum Hydrocarbons (TPH) as Diesel and Motor Oil (EPA 8015)

CLP denotes EPA Contract Laboratory Program

4.0 Data Quality Assessment

Quarterly groundwater samples collected from monitoring wells, located at the MFA Site 1 and 2, were sent to Applied Physics and Chemistry Laboratory (APCL) in Chino, California.

Sampling was performed by IT personnel in accordance with the approved SAP. Analyses were conducted by APCL in accordance with the requirements of the following documents:

Site 1:

- EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition December 1996
- EPA-600/4-79-020 Methods of Chemical Analysis of Water and Wastes

Site 2:

- USEPA Contract Laboratory Program (CLP) procedures (SOW OLM03.1 for organic analyses)

This data evaluation/validation was performed by an IT Project Chemist following the CLP National Functional Guidelines for Organic and Inorganic Data Review, July 1994. The results of analysis for all samples are summarized in the attached tables (Appendix B). Data qualifying flags are applied to the data in the summary tables according to the data validation findings. The following data qualifying flag were applied.

U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the practical quantitation limit (PQL)
B	The analyte was also detected in the associated blanks
J	The analyte was positively identified, the quantitation is an estimate
UJ	The analyte was not detected and the associated PQL is an estimate

Sample results were reported by APCL in two sample delivery groups (SDGs).

SDG # 99-4735	SDG # 99-4764
W1-5	W1-12
W1-8	W1-14
W1-16	W1-15
W1-22	W1-19
W99-1 (field duplicate of W1-5)	W1-23
Trip Blank	W2-5
	W2-6
	W2-12
	W2-14
	W2-15
	W2-16
	W99-2 (field duplicate of W2-16)
	Trip Blank #1 (EPA 8260)
	Trip Blank #2 (CLP)

4.1 Sample Receipt, Storage and Holding Times

All samples were received by APCL within one to two days after sample collection. If the samples could not be shipped on the same day they were collected, they were maintained in the custody of the IT project chemist, in a locked cold storage until they could be shipped. All of the samples were received at the laboratory within the required temperature range of 2° – 6° C. All of the samples were extracted and analyzed within the required holding times as stated by the methods.

One sample bottle, W2-5 for SVOC analysis, was misplaced by the laboratory and, therefore, was not analyzed for these parameters.

4.2 Volatile Organic Compounds

A total of 20 samples were analyzed for volatile organic compounds (VOCs) either by EPA Method 8260 or CLP-VOA. This total includes the 15 monitoring wells, 2 field duplicates, and 3 trip blanks.

4.2.1 Gas Chromatograph/Mass Spectrometer (GC/MS) Tuning

GC/MS tuning was performed every 12-hour interval as specified by the method with one exception. One sample, W1-12, matrix spike duplicate, was analyzed 22 minutes outside of the 12-hour tune window for SDG 99-4764. Data were not qualified based on this error. All tuning criteria for ion abundances were within the method-specified ranges.

4.2.2 Initial and Continuing Calibration

All requirements for initial calibration were met for both SDGs. Continuing calibration verifications were performed at the required frequency for both SDGs. All continuing calibrations met the established criteria.

4.2.3 Blanks

Target compounds were not detected in the VOC method blank or trip blank associated with SDG 99-4735. Target compounds were not detected in the method blank or trip blank associate with SDG 99-4764 with the exception of methylene chloride and acetone. Methylene chloride and acetone are common laboratory contaminants, which were detected in the following blanks and samples:

SDG 99-4764 Sample IDs	Methylene Chloride, (µg/L)	Acetone (µg/L)
Method Blank – EPA 8260	2.6	13.8
Method Blank CLP VOA	0.8	Not detected
Trip Blank - #1 (EPA 8260)	6.3	15
Site 2 Samples	0.4 – 0.8	2.0 - 18
Site 1 Samples	4.9 – 5.7	15 - 17

Concentrations of methylene chloride and acetone detected below the practical quantitation limit (PQL) were reported as not detected U at the PQL. Concentrations of methylene chloride and acetone detected in the samples above the PQL were flagged with a B qualifier indicating that analytes were also detected in the associated blank samples.

4.2.4 Surrogate Compound Recoveries

All surrogate recoveries were within the established control limits for all samples analyzed.

4.2.5 Laboratory Control Spikes (LCS)

All percent recoveries were within the specified control limits for the LCS in both SDGs.

4.2.6 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

One site-specific MS/MSD pair was analyzed for this sampling event. Sample number W1-12 was used for the MS/MSD with SDG 99-4764. All analyte recoveries and relative percent differences (RPDs) were within the established control limits.

4.2.7 Internal Standard Performance

All internal standard results were within the method specified limits.

4.2.8 Compound Identification

All sample spectra met the compound identification criteria.

4.2.9 System Performance and Other Observations

No adverse changes in instrument performance during sample analysis were observed. Five samples from Site 1 (W1-5, W99-1, W1-8, W1-16 and W1-22) and two samples from Site 2 (W2-16 and W99-2) foamed during sample purging. These samples were diluted from 5 to 25 times to allow for sample analysis. The detection limits were raised according to the dilution for each sample.

4.3 CLP Semivolatile Organic Analysis

A total of 7 samples were submitted for CLP semi-volatiles analysis from Site 2, including 6 monitoring wells and 1 field duplicate. The data were reported in SDG 99-4764.

4.3.1 GC/MS Tuning

GC/MS tuning was performed within the specified 12 hour time interval. All ion abundances met the specified tuning criteria for the method.

4.3.2 Initial and Continuing Calibration

All compounds met the requirements for initial calibration and continuing calibration for CLP SVOAs.

4.3.3 Blanks

One method blank was extracted and analyzed with SDG 99-4764. There were no semi-volatile compounds detected in the method blank.

4.3.4 Surrogate Compound Recoveries

All surrogate compound recoveries were within the specified control limits.

4.3.5 LCS

One LCS/LCS duplicate pair was extracted and analyzed with SDG 99-4764. All recoveries and RPDs were within the specified control limits for the method with the exception of 4-nitrophenol. The percent recovery for 4-nitrophenol in the LCS duplicate was 81%, which is slightly above the upper control limit of 80%. No data qualifying flags were applied based this anomaly.

4.3.6 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The sample used for MS/MSD with this SDG was not related to the MFA project. Data quality is not affected.

4.3.7 Internal Standard Performance

All internal standard results were within the specified control limits.

4.3.8 Compound Identification

All sample spectra met compound identification criteria.

4.3.9 System Performance and Other Observations

No adverse changes in instrument performance during sample analysis were observed. One sample, W2-16, was diluted 2 times due to low sample volume. The laboratory adjusted the PQL by two due to this dilution.

4.4 Pesticides and PCBs

A total of 17 samples were analyzed for pesticides and PCBs either by EPA Methods 8081/8082 or CLP Pesticide/PCB. This total includes the 15 monitoring wells and two field duplicates.

4.4.1 Pesticides Instrument Performance

All peak separation, retention time window, and degradation/breakdown criteria were within the method-specified control limits.

4.4.2 Initial and Continuing Calibration

The initial calibration for each individual pesticide and PCBs met all of the method specified criteria. All continuing calibration verifications were analyzed at the required time intervals and met the established method acceptance criteria for all pesticides and PCBs with the following exceptions.

SDG 99-4735: The % difference (D) in the closing continuing calibration standard for endrin aldehyde and methoxychlor slightly exceeded the 15% difference criteria on one column only at 19.1% and 18.6%, respectively. Both endrin aldehyde and methoxychlor were in control on the second column. The data were not qualified based on this anomaly.

SDG 99-4764: The % D of one continuing calibration standard for toxaphene slightly exceeded the 15%D criteria for 2 out of 5 peaks at 17.9% and 15.5%. Toxaphene was in control for all other bracketing continuing calibration standards. Toxaphene was not detected in any of the samples analyzed. The data were not qualified based on this anomaly.

4.4.3 Blanks

Individual pesticides and PCBs were not detected in the method extraction blanks or instrument blanks.

4.4.4 Surrogate Recoveries

Surrogate compounds tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) were recovered within the specified control limits of 30% - 150% for all samples and blanks analyzed with the following exception.

SDG 99-4764: Surrogate compound DCB was recovered below the lower control limit in sample W1-14 at 24%. TCMX recovery for this sample was in control. There were no pesticides or PCBs detected in sample W1-14, therefore, all analytes for this sample were flagged UJ due to the possible low bias.

4.4.5 LCS

One LCS/LCS duplicate pair were extracted and analyzed with each method. All recoveries and RPDs were within the specified control limits for the method.

4.4.6 MS and MSD

One site-specific MS/MSD pair was analyzed for this sampling event. Sample number W1-15 was used for the MS/MSD with SDG 99-4735. All analyte recoveries and RPDs were within the established control limits.

4.5 TPH

A total of seven samples were analyzed for TPH diesel and motor oil and were reported in SDG 99-4764. This total includes six monitoring wells and one field duplicate.

4.5.1 Initial and Continuing Calibration

The initial calibration for diesel and motor oil met the method specified criteria. All continuing calibration verifications were analyzed at the required time intervals and met the established method acceptance criteria for both diesel and motor oil.

4.5.2 Blanks

Diesel and motor oil were not detected in the method extraction blank.

4.5.3 Surrogate Recoveries

Surrogate compound octacosane was recovered within the specified control limits for all samples and blanks analyzed.

4.5.4 LCS

One LCS/LCS duplicate pair was extracted and analyzed with SDG 99-4764. All percent recoveries and RPDs were within the specified control limits for the diesel.

4.5.5 MS and MSD

The sample used for MS/MSD with this SDG was not related to the MFA project. The data quality was not affected.

4.6 Inorganic Parameters

A total of ten samples were analyzed for metals by method EPA 6010B. This total includes nine monitoring wells and one field duplicate. All samples were analyzed twice as total and dissolved metals. The data were reported in both SDGs 99-4735 and 99-4764.

4.6.1 Initial and Continuing Calibration

All initial and continuing calibration criteria were met with the following exception.

SDG 99-4735: Barium, lead, nickel, and thallium exceeded the upper control limit of 110% in the closing calibration verification standard at 113%, 112%, 110.7% and 113.3%, respectively. Barium results have been "J" flagged due to this deficiency as estimated values due to possible high bias in the sample results. Thallium was not detected in any of the associated samples. Therefore, no flag was added to the thallium results. Lead and nickel are already "J" flagged with concentrations less than the PQL Therefore, no additional qualifier was added to the data.

4.6.2 Blanks

The following analytes were detected in either the preparation blank and/or the continuing calibration blank: arsenic, beryllium, cobalt, lead, nickel and thallium. All samples results less than five times the associated blank concentrations have been reported as not detected "U" at the PQL.

4.6.3 Interference Check Sample (ICS)

All ICS recoveries were within the required control limits with one exception. The percent recovery for arsenic was slightly below the lower control limit of 80% at 79.7% in the closing ICS for SDG 99-4764. The data were not flagged due to this deficiency.

4.6.4 LCS

All LCS and LCS duplicate recoveries were within the established control limits.

4.6.5 Matrix Spike Sample Analysis

One MS was analyzed with each SDG. Sample W1-15 (filtered) was used for the MS with SDG 99-4764 and W1-8 (total) was used for the MS/MSD with SDG 99-4735. All analyte recoveries were within the established control limits for W1-15 MS/MSD.

Eight metals were recovered below the lower control limits in sample W1-8 (total) MS/MSD. Arsenic, barium, beryllium, chromium, cobalt, lead, nickel, and thallium were recovered between 56% - 74% in both the MS and MSD samples. A post digestion spike was performed and confirmed a matrix interference with arsenic, chromium, cobalt, lead, nickel and thallium still recovered below the control limit.

W1-8 is a leachate collection well for the landfill and possibly contains compounds interfering with the metals analysis. If any of the above eight metals were not detected (U) in the samples reported in this SDG, the data were flagged as "UJ" indicating that the analyte was not detected and the quantitation limit is approximate.

4.6.6 ICP Serial Dilution

The RPDs for the ICP serial dilution of sample W1-15 were all within the acceptable limits. The ICP serial dilution of sample W1-8 was out of control for barium indicating a matrix influence on the ICP analysis, confirming the matrix interference findings in the matrix spike analysis. A "J" flag was added to the barium results.

4.7 Field Duplicates

Two field duplicates were collected and analyzed during this sampling event. The field duplicate results are summarized in Table 4-1. The field duplicate precision indicates acceptable sampling and analytical precision.

Table 4-1: Field Duplicate Summary

Analyte	Sample Result	Sample Duplicate Result	RPD (%)
W1-5 (W99-1)			
VOCs	All compounds not detected	All compounds not detected	Not calculable
Pesticides	All compounds not detected	All compounds not detected	Not calculable
PCBs	All compounds not detected	All compounds not detected	Not calculable
Barium (total)	354	357	0.8

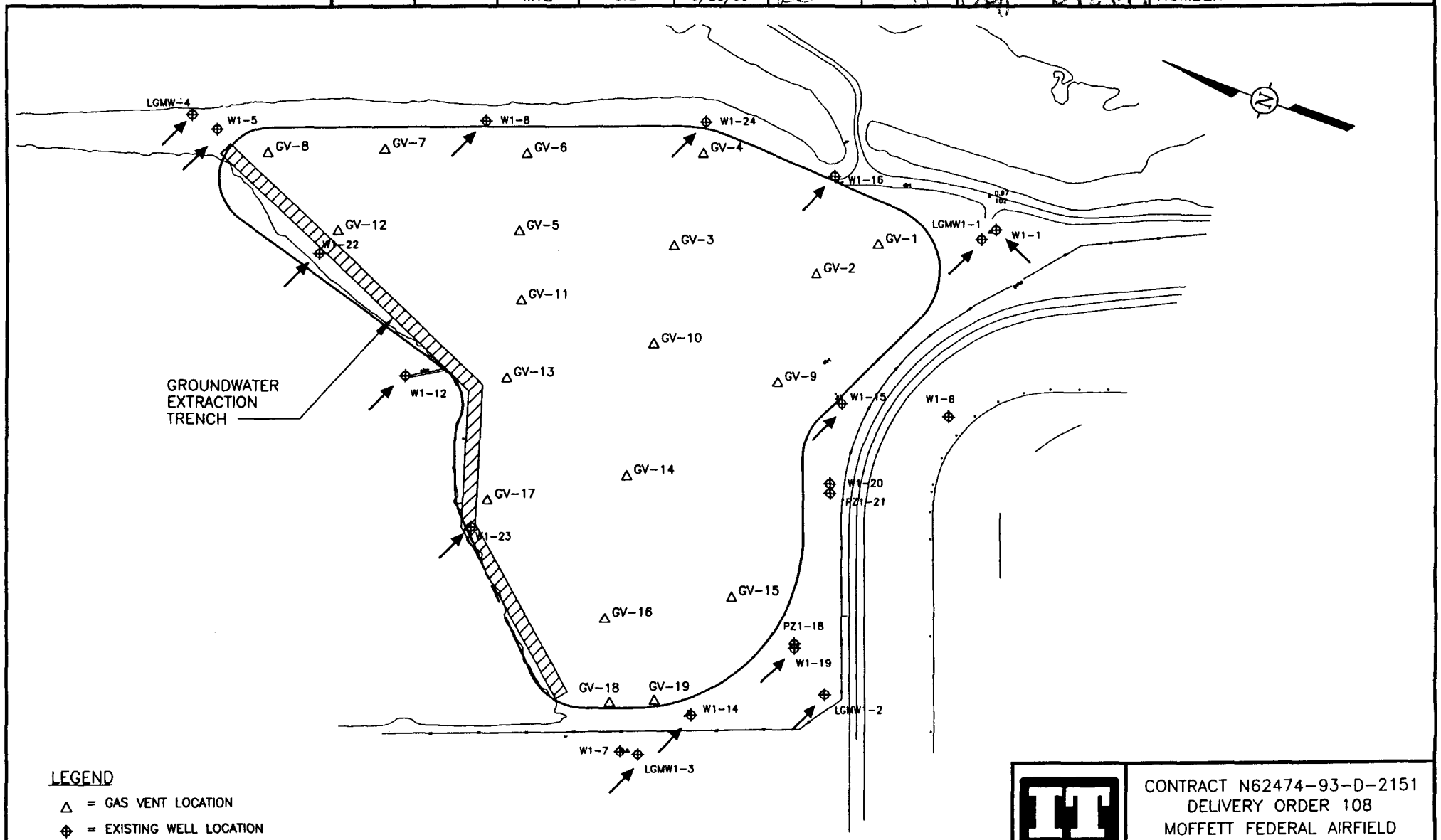
Analyte	Sample Result	Sample Duplicate Result	RPD (%)
All other total metals	All metals not detected or below reporting limit	All metals not detected or below reporting limit	Not calculable
Barium (dissolved)	366	360	1.7
All other dissolved metals	All metals not detected or below reporting limit	All metals not detected or below reporting limit	Not calculable
Nitrate-Nitrite	1.31	1.22	7.1
TOC	4.4	25	83.7
W2-16 (W99-2)			
SVOCs	All compounds not detected or below reporting limit	All compounds not detected or below reporting limit	Not calculable
W2-16 (W99-2)			
Acetone	15	18	18.2
All other VOCs	All compounds not detected	All compounds not detected	Not calculable
Pesticides	All compounds not detected	All compounds not detected	Not calculable
PCBs	All compounds not detected	All compounds not detected	Not calculable
Diesel/Motor Oil	All compounds not detected	All compounds not detected	Not calculable

4.8 Overall Assessment

The laboratory QC data provided in SDG 99-4735 and 99-4764 are indicative of acceptable analytical performance. The discrepancies noted do not invalidate the data for its intended use. All of the data collected are valid and usable.

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER
---	---	MTZ	SJZ	9/28/99		10-1-99			773189-A14



LEGEND

△ = GAS VENT LOCATION

⊕ = EXISTING WELL LOCATION

LGMW = LANDFILL GAS MONITORING WELL

W = GROUNDWATER MONITORING WELL
W1-22 AND W1-23 = GROUNDWATER EXTRACTION WELLS

PZ = PIEZOMETER WELL

↗ = WELLS TO BE MONITORED

—— APPROXIMATE SITE 1 BOUNDARY

SCALE

0 200 400 FEET

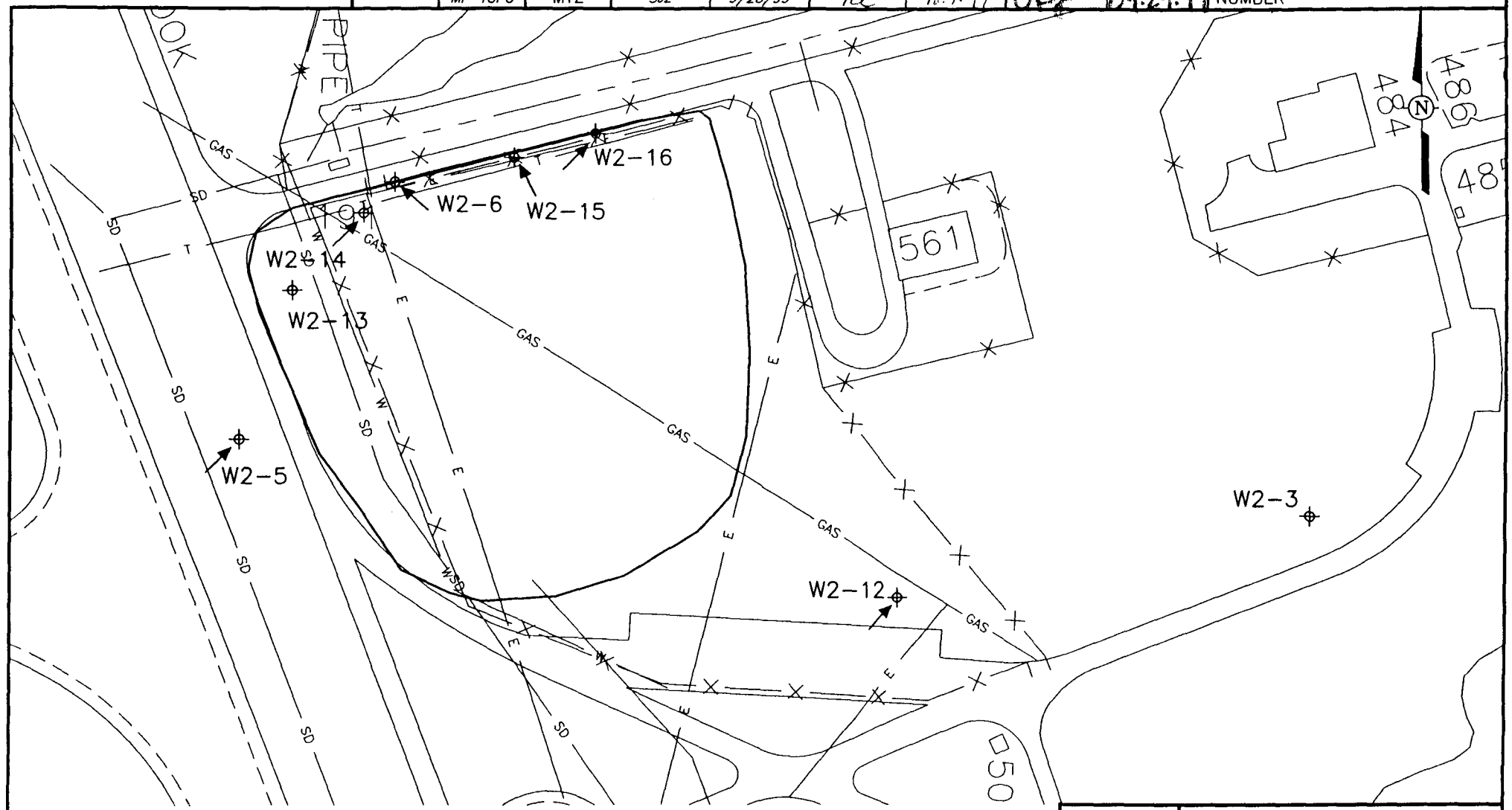
IT CORPORATION

CONTRACT N62474-93-D-2151
DELIVERY ORDER 108
MOFFETT FEDERAL AIRFIELD
MOFFETT FIELD, CALIFORNIA

FIGURE 1

MONITORING WELL AND
GAS VENT LOCATIONS
LANDFILL SITE 1

IMAGE	X-REF	OFFICE	DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER
---	MF-TOPO	MTZ	SJZ	9/28/99		10.1.99		09.29.99	773189-A14



LEGEND

- ⊕ EXISTING WELL LOCATION
- W = GROUNDWATER MONITORING WELL
- ↗ = WELLS TO BE MONITORED
- ——— APPROXIMATE SITE 2 BOUNDARY
- — GAS — EXISTING UNDERGROUND GAS LINE (PHOTO 4/26/96)
- — T — EXISTING UNDERGROUND TELEPHONE LINE
- — E — EXISTING UNDERGROUND ELECTRICAL LINE
- — W — EXISTING UNDERGROUND WATER LINE
- — SD — EXISTING UNDERGROUND STORM DRAIN

SCALE

0 150 300 FEET

IT CORPORATION

CONTRACT N62474-93-D-2151
DELIVERY ORDER 108
MOFFETT FEDERAL AIRFIELD
MOFFETT FIELD, CALIFORNIA

FIGURE 2

MONITORING WELL LOCATIONS
LANDFILL SITE 2

APPENDIX A

WATER LEVEL MEASUREMENTS AND GROUNDWATER MONITORING DATA FORMS

Table A-1: Water Level Measurements

Well I.D.	Depth to Water (feet)
Site 1	
W1-1	Well not found
W1-5	5.62
W1-6	2.28
W1-7	2.98
W1-8	5.66
W1-12	4.42
W1-14	3.25
W1-15	5.44
W1-16	6.71
W1-19	5.56
W1-20	5.76
W1-22	3.68
W1-23	3.25
W1-24	Not Instaled
PZ1-18	5.15
PZ1-21	5.27
Site 2	
W2-3	4.90
W2-5	7.08
W2-6	7.56
W2-12	8.08
W2-13	7.25
W2-14	7.70
W2-15	4.88
W2-16	5.02

Notes:

1. Depth to water measured from top of well casing.

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W1-5**
Date: 7/12/99

WELL MEASURMENTS

Depth to Water (DTW) 5.62 ft.

Purging Method: Low Flow Pumps ~250 ml/min

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

Time	Volume Purged	pH	Cond. (~~µs~~) ms	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1343	~1 L	7.17	14.69	20.1	-230	0.32	0.72
1348	~2 L	7.11	19.7	19.8	-243	0.24	~~1.39~~ 0.27
1353	~2.5 L	7.07	19.1	20.3	-265	0.29	0.24
1356	3.2 L	7.03	~~19.0~~ 21.6	18.9	-287	0.32	0.24
1402	3.75 L	7.01	22.1	19.0	-291	0.28	0.25
1410	5.75 L	6.98	22.9	19.0	-298	0.21	0.19
1415		6.97	23.3	19.0	-295	0.22	0.19
1420		6.93	23.4	18.9	-290	0.23	0.19

SAMPLING INFORMATION

Sample Number	W1-5 field Dup W99-1
Sample Date/Time	7/12/99
Sampler ID	QC 1425
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 85 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W1-8**
Date: 7-12-99

WELL MEASURMENTS

Depth to Water (DTW) 5.66' ft.
Purging Method: Low Flow Pumps
SCREEN - 13.0' - 18.0'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGED @ 280 mg/l

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1239	.25g	7.07	6.89	19.5	-077	2.06	1.52
1244	.75g	7.04	6.48	19.2	-088	1.74	1.23
1249	1.2g	7.04	7.73	19.3	-096	1.75	1.34
1253	1.3g	7.05	7.77	19.2	-096	1.72	1.17
1256	1.5g	7.02	7.82	19.1	-110	1.75	1.23

SAMPLING INFORMATION

Sample Number	**W1-8**
Sample Date/Time	7-12-99 / 1310
Sampler ID	KM
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: 90 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)** Well ID: **W1-12**

Project Number: **773189** Date: 7-12-99

Project Location: **Mt. View, CA**

WELL MEASURMENTS

Depth to Water (DTW) 4.42' ft.

Purging Method: Low Flow Pumps

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

SCREEN - 12.5' - 22.5'

PURGE DATA

PURGE @ 240 mL/MIN

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1538	.10 g	8.74	42.3	21.0	-322	1.45	16.37
1543	.75 g	8.75	42.3	20.8	-324	1.44	15.28
1548	1.0 g	8.69	42.5	20.7	-323	1.42	14.41
1553	1.5 g	8.69	42.6	20.7	-323	1.42	14.74
1555	1.6 g	8.69	42.6	20.7	-323	1.42	14.43

SAMPLING INFORMATION

Sample Number	**W1-12**
Sample Date/Time	7-12-99 / 1605
Sampler ID	KM
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 92 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments: STEEL CASING, CORRODED BADLY, H_2S ODOR

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)** Well ID: **W1-14**

Project Number: **773189** Date: 7-12-99

Project Location: **Mt. View, CA**

WELL MEASURMENTS

Depth to Water (DTW) 5.42' ft.

Purging Method: Low Flow Pumps SCREEN - 4.1' - 14.1'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGED 260 mg/l

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1718	.25 g	6.66	36.6	20.3	-141	2.22	25.2
1723	.50 g	6.70	36.6	20.1	-147	2.27	47.7
1728	1 g	6.71	36.8	19.9	-148	2.40	47.3
1733	1.25 g	6.71	37.9	20.0	-135	2.47	51.4
1738	1.5 g	6.71	38.5	20.1	-122	2.45	47.7
1740	1.6 g	6.71	38.5	20.1	-120	2.44	39.9

SAMPLING INFORMATION

Sample Number	**W1-14**
Sample Date/Time	7-12-99 / 1755
Sampler ID	KM
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 95° °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)** Well ID: **W1-15**

Project Number: **773189** Date: 7/13/99

Project Location: **Mt. View, CA**

WELL MEASURMENTS

Depth to Water (DTW) 5.44 ft.

Purging Method: Low Flow Pumps Screen interval 4.4 - 14.4'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

start @ 0753 250 ml/min

Time	Volume Purged(L)	pH	Cond. (µs) (ms)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
800	1.75L	6.66	17.2	17.5	-249	0.47	0.70
805	3.0	6.65	17.2	17.4	-256	0.37	0.45
810	4.25	6.65	20.3	17.3	-252	0.32	0.29
815	5.5	6.63	21.9	17.3	-255	0.28	0.17
820	6.75	6.62	25.0	17.4	-259	0.25	0.13
825	8	6.61	26.0	17.4	-266	0.24	0.18
830	9.25	6.61	26.6	17.3	-264	0.22	0.18
835	10.5	6.61	26.5	17.4	-270	0.21	0.06
840	11.75	6.61	26.7	17.4	-272	0.20	0.06
845	13	6.61	26.5	17.4	-280	0.19	0.05

SAMPLING INFORMATION

Sample Number	**W1-15**
Sample Date/Time	7/13/99 850
Sampler ID	RC
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: ~70 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W1-16**
Date: 7-12-99

WELL MEASURMENTS

Depth to Water (DTW) 6.71' ft.

Purging Method: Low Flow Pumps Screen - 5.4 – 15.4'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGED @ 220 ml/MIN.

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1118	.25 g	6.62	4.82	20.1	-253	2.01	11.14
1122	.50 g	6.63	4.75	20.2	-252	2.02	8.98
1127	.75 g	6.64	4.68	20.2	-247	2.02	6.18
1132	.90 g	6.65	4.63	20.3	-245	2.01	9.15
1135	1.15 g	6.65	4.61	20.3	-242	1.99	9.35

SAMPLING INFORMATION

Sample Number	**W1-16**
Sample Date/Time	7-12-99 / 1145
Sampler ID	KM
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: 80 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W1-19**
Date: 7-13-99

WELL MEASURMENTS

Depth to Water (DTW) 5.56' ft.

Purging Method: Low Flow Pumps

SCREEN - 14'-19'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGE @ 260 mg/L

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
0820	.25g	6.65	43.5	17.9	-037	2.15	1.32
0825	.5g	6.65	44.2	17.9	-041	2.05	.30
0830	.75g	6.66	44.4	18.0	-041	1.98	.12
0835	1g	6.66	44.5	17.9	-043	1.94	.15
0840	1.25g	6.67	44.5	17.9	-043	1.90	.06
0842	1.27g	6.68	44.5	17.9	-044	1.89	.15

SAMPLING INFORMATION

Sample Number	**W1-19**
Sample Date/Time	7-13-99 / 0855
Sampler ID	KM
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: 78° °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W1-22 (leachate well)**
Date: 7-12-99

WELL MEASURMENTS

Depth to Water (DTW) 3.68' ft.
Purging Method: Low Flow Pumps
SCREEN - 0.5'-6.5'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGE @ 260 mg/l

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1409	.25 g	6.56	17.030	22.7	-041	1.59	.94
1410	.50g	6.61	17.31	22.8	-043	1.54	.72
1415	.75 g	6.64	17.30	22.8	-045	1.49	.69
1420	1 g	6.66	17.35	23.0	-045	1.33	.81
1425	1.25 g	6.69	17.46	23.3	-040	1.31	1.01
1429	1.3 g	6.70	17.47	23.3	-039	1.29	.94

SAMPLING INFORMATION

Sample Number	**W1-22**
Sample Date/Time	7-12-99 / 1440
Sampler ID	KM
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 96 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 1 (Q3 1999)** Well ID: **W1-23 (leachate well)**

Project Number: **773189** Date: 7/12/99

Project Location: **Mt. View, CA**

WELL MEASURMENTS

Depth to Water (DTW) 3.25 ft.

Purging Method: Low Flow Pumps

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV) -080	D. O. (ppm)	Turbidity (NTU)
1525	0.5L	6.79	410*	22.6	~~-054~~	0.29	22.5
1530	2.0L	6.64	500*	22.1	-090	0.25	22.3
1535	3.5L	6.62	440*	21.8	-091	0.22	14.41
1540	5.0L	6.60	485*	21.9	-089	0.26	12.20
1545	6.5L	6.61	1950	22.1	-087	0.28	10.22
1550	8.0L	6.62	1930	22.1	-081	0.30	9.40

* INCORRECTLY READ W/ PROBE NOT FULLY INSERTED IN CELL

SAMPLING INFORMATION

Sample Number	W1-23
Sample Date/Time	7/12/99 1555
Sampler ID	JEFF SHERWIN
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: 90 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, Metals (total & diss), Pest/PCB, TOC, NO_2/NO_3** 3 VOAs, 4-500 ml Plastic, 1-Liter Amber glass

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 2 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W2-5**
Date: 7-13-99

WELL MEASURMENTS

Depth to Water (DTW) 7.08' ft.

Purging Method: Low Flow Pumps

SCREEN - 7'-17'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGE @ 260 mg/l

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1249	.25 g	7.36	3.85	22.8	-003	1.92	4.86
1254	.5 g	7.28	3.78	22.4	-005	1.82	3.76
1258	1 g	7.26	3.77	22.4	-006	1.85	3.25
1303	1.25 g	7.25	3.81	22.4	-006	1.62	3.33
1308	1.5 g	7.24	3.80	22.7	-006	1.78	3.17
1311	1.6 g	7.24	3.79	22.6	-007	1.77	3.47

SAMPLING INFORMATION

Sample Number	**W2-5**
Sample Date/Time	7-13-99 / 1320
Sampler ID	KM
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 92° °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, SVOC, Pest/PCB, TPH-Diesel and Motor Oil** 3 VOAs, 3- 1 Liter Amber glass jars

Comments: PUMP IN WELL

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 2 (Q3 1999)** Well ID: **W2-6**

Project Number: **773189** Date: 7-13-99

Project Location: **Mt. View, CA**

WELL MEASURMENTS

Depth to Water (DTW) 7.56' ft.

Purging Method: Low Flow Pumps SCREEN - 15'-20'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGE @ 240 mg/L

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1007	.25g	7.77	17.64	20.2	-001	4.99	.63
1012	.5g	7.56	18.58	20.0	002	4.67	.88
1017	.75g	7.21	21.7	20.0	011	4.50	.56
1022	1g	7.02	24.1	20.0	015	4.15	.43
1027	1.4g	6.89	25.6	20.1	020	4.06	.53
1032	1.5g	6.85	26.3	20.2	024	4.10	.39
1037	2g	6.85	26.5	20.2	025	3.93	.42
1042	2.3g	6.82	26.6	20.3	026	4.01	.42
1045	2.5g	6.82	26.6	20.3	027	3.93	.40
1047	2.6g	6.82	26.6	20.6	028	3.87	.36

SAMPLING INFORMATION

Sample Number	**W2-6**
Sample Date/Time	7-13-99 / 1100
Sampler ID	KM
Weather Conditions	☐ sunny ☑ rainy ☐ overcast Temp: 82° °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, SVOC, Pest/PCB, TPH-Diesel and Motor Oil** 3 VOAs, 3- 1 Liter Amber glass jars

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 2 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W2-12**
Date: 7-13-99

WELL MEASURMENTS

Depth to Water (DTW) 8.08 ft.

Purging Method: Low Flow Pumps

SCREEN 4.5'-14.5'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

PURGE (~ 200 mg/l

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1353	.25g	7.31	1,788	20.8	-007	1.52	.16
1358	.5g	7.28	1,797	20.6	-003	1.61	.17
1403	.75g	7.27	1,791	20.4	-001	1.57	.20
1408	1g	7.27	1,789	20.3	000	1.55	.18
1410	1.1g	7.27	1,787	20.3	-001	1.54	.12

SAMPLING INFORMATION

Sample Number	**W2-12**
Sample Date/Time	7-13-99 / 1420
Sampler ID	KM
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: 95° °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, SVOC, Pest/PCB, TPH-Diesel and Motor Oil** 3 VOAs, 3- 1 Liter Amber glass jars

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 2 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W2-14**
Date: 7-13-99

WELL MEASURMENTS

Depth to Water (DTW) 7.70' ft.

Purging Method: Low Flow Pumps SCREEN - 6.5'-16.5'

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1134	.25 g	7.07	16.69	19.7	038	1.87	.32
1139	.5 g	7.04	17.40	19.6	027	1.60	.12
1144	1 g	7.02	18.09	19.8	026	1.58	.15
1149	1.25 g	7.01	18.75	20.2	025	1.58	.13
1154	1.5 g	7.00	19.35	20.3	024	1.47	.11
1159	1.75 g	7.00	19.55	20.3	024	1.35	.15
1201	1.8 g	6.99	19.49	20.3	024	1.55	.13

SAMPLING INFORMATION

Sample Number	**W2-14**
Sample Date/Time	7-13-99 / 1215
Sampler ID	KM
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 90° °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, SVOC, Pest/PCB, TPH-Diesel and Motor Oil** 3 VOAs, 3- 1 Liter Amber glass jars

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 2 (Q3 1999)**
Project Number: **773189**
Project Location: **Mt. View, CA**

Well ID: **W2-15**
Date: 7/13/99

WELL MEASURMENTS

Depth to Water (DTW) 4.88 ft.

Purging Method: Low Flow Pumps

7.5 - 17.5 screen

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

Start 934 250 ml/min.

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
0955		7.12	10.03	20.7	-093	0.40	15.8
1000	1.25L	7.06	10.20	19.6	-090	0.26	5.8
1005	2.50L	7.01	10.97	19.4	-090	0.19	4.5
1010	3.75L	6.97	11.70	19.5	-089	0.16	1.3
1015	5.00L	6.92	12.02	19.4	-085	0.13	2.6
1020	6.25L	6.90	12.34	19.4	-083	0.12	4.5

SAMPLING INFORMATION

Sample Number	**W2-15**
Sample Date/Time	7/13/99 1020
Sampler ID	RC / JS
Weather Conditions	☒ sunny ☐ rainy ☐ overcast Temp: 75 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, SVOC, Pest/PCB, TPH-Diesel and Motor Oil** 3 VOAs, 3- 1 Liter Amber glass jars

Comments:

GROUNDWATER MONITORING DATA FORM

PROJECT INFORMATION

Project Name: **Moffett – LF Site 2 (Q3 1999)** Well ID: **W2-16**

Project Number: **773189** Date: 7/13/99

Project Location: **Mt. View, CA**

WELL MEASURMENTS

Depth to Water (DTW) 5.02 ft.

Purging Method: Low Flow Pumps 7.5 - 17.5 - Screen

2 inch ID *mult* =0.17 gal/ft.
4 inch ID *mult* =0.66 gal/ft.

PURGE DATA

Start 1053 250 ml/min

Time	Volume Purged	pH	Cond. (us)	Temp. (C)	ORP (mV)	D. O. (ppm)	Turbidity (NTU)
1055		7.07	7.88	20.4	-079	0.27	10.5
1100	1.25 L	6.94	11.00	20.0	-064	0.18	8
1105	2.50 L	6.85	15.13	19.9	-054	0.12	3.0
1110	3.75 L	6.80	16.05	19.7	-051	0.12	1.2
1115	5.00 L	6.79	15.80	19.7	-047	0.11	3.5
1120	6.25 L	6.78	15.92	19.7	-047	0.11	1.9

SAMPLING INFORMATION

Sample Number	**W2-16** W99-2 field dup
Sample Date/Time	7/13/99 1125
Sampler ID	RC/JS
Weather Conditions	☑ sunny ☐ rainy ☐ overcast Temp: 75 °F
Sample Collection Method	PUMP –Low Flow
Volume Collected/Analyses	**VOCs, SVOC, Pest/PCB, TPH-Diesel and Motor Oil** 3 VOAs, 3- 1 Liter Amber glass jars

Comments:

APPENDIX B

SUMMARY OF ANALYTICAL RESULTS

Table B-1: Summary of Analytical Results for Moffett Site 1

Sample ID	W1-5	W99-1	W1-8	W1-12	W1-14	W1-15	W1-16
Date Collected	07/12/1999	07/12/1999	07/12/1999	07/12/1999	07/12/1999	07/13/1999	07/12/1999
Analysis		field duplicate [1]					
[illegible]				Concentration [illegible]			
Acetone	60U	24U	60U	20U	20U	20U	60U
Acrylonitrile	50U	20U	50U	2U	2U	2U	50U
Benzene	50U	20U	50U	2U	2U	2U	50U
Bromobenzene	50U	20U	50U	2U	2U	2U	50U
Bromochloromethane	50U	20U	50U	2U	2U	2U	50U
Bromodichloromethane	50U	20U	50U	2U	2U	2U	50U
Bromoform	50U	20U	50U	2U	2U	2U	50U
Bromomethane	50U	20U	50U	2U	2U	2U	50U
2-Butanone	50U	20U	50U	2U	2U	2U	50U
Carbon disulfide	50U	20U	50U	1J	2U	2U	50U
Carbon tetrachloride	50U	20U	50U	2U	2U	2U	50U
Chlorobenzene	50U	20U	50U	2U	2U	2U	50U
Chloroethane	50U	20U	50U	2U	2U	2U	50U
Chloroform	50U	20U	50U	2U	2U	2U	50U
Chloromethane	50U	20U	50U	2U	2U	2U	50U
1,2-Dibromo-3-chloropropane	50U	20U	50U	2.1U	2.1U	2.1U	50U
1,2-Dibromoethane	50U	20U	50U	2U	2U	2U	50U
Dibromomethane	50U	20U	50U	2U	2U	2U	50U
trans-1,4-Dichlorobutene	50U	20U	50U	2U	2U	2U	50U
1,2-Dichlorobenzene	50U	20U	50U	2U	2U	2U	50U
1,4-Dichlorobenzene	50U	20U	50U	2U	2U	2U	50U
1,1-Dichloroethane	50U	20U	50U	2U	2U	2U	50U
1,2-Dichloroethane	50U	20U	50U	2U	2U	2U	50U
1,1-Dichloroethene	50U	20U	50U	2U	2U	2U	50U
cis-1,2-Dichloroethene	50U	20U	50U	2U	2U	2U	50U
trans-1,2-Dichloroethene	50U	20U	50U	2U	2U	2U	50U
1,2-Dichloropropane	50U	20U	50U	2U	2U	2U	50U
cis-1,3-Dichloropropene	50U	20U	50U	2U	2U	2U	50U
trans-1,3-Dichloropropene	50U	20U	50U	2U	2U	2U	50U
Ethylbenzene	50U	20U	50U	2U	2U	2U	50U
2-Hexanone	50U	20U	50U	2U	2U	2U	50U
Methylene chloride	50U	20U	50U	10U	10U	10U	50U
4-Methyl-2-pentanone	50U	20U	50U	2U	2U	2U	50U
Styrene	50U	20U	50U	2U	2U	2U	50U
1,1,1,2-Tetrachloroethane	50U	20U	50U	2U	2U	2U	50U
1,1,2,2-Tetrachloroethane	50U	20U	50U	2U	2U	2U	50U
Tetrachloroethene	50U	20U	50U	2U	2U	2U	50U
Toluene	50U	20U	50U	2U	2U	2U	50U
1,1,1-Trichloroethane	50U	20U	50U	2U	2U	2U	50U

Table B-1: Summary of Analytical Results for Moffett Site 1

Sample ID	W1-5	W99-1	W1-8	W1-12	W1-14	W1-15	W1-16
Date Collected	07/12/1999	07/12/1999	07/12/1999	07/12/1999	07/12/1999	07/13/1999	07/12/1999
Analysis		field duplicate [1]					
[illegible]				Concentration [illegible]			
1,1,2-Trichloroethane	50U	20U	50U	2U	2U	2U	50U
Trichloroethene	50U	20U	50U	2U	2U	2U	50U
Trichlorofluoromethane	50U	20U	50U	2U	2U	2U	50U
Vinyl chloride	50U	20U	50U	2U	2U	2U	50U
1,2,3-Trichloropropane	50U	20U	50U	2U	2U	2U	50U
Vinyl Acetate	58U	23U	58U	2U	2U	2U	58U
m/p-Xylene	50U	20U	50U	2U	2U	2U	50U
o-Xylene	50U	20U	50U	2U	2U	2U	50U
[illegible]				Concentration [illegible]			
Aldrin	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
alpha-BHC	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
beta-BHC	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
delta-BHC	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
gamma-BHC (Lindane)	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
alpha Chlordane	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
gamma Chlordane	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
4,4'-DDD	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
4,4'-DDE	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
4,4'-DDT	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Dieldrin	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Endosulfan I	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
Endosulfan II	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Endosulfan sulfate	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Endrin	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Endrin aldehyde	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Endrin ketone	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Heptachlor	0.05U	0.05U	0.05U	0.05U	0.05UJ	0.05U	0.05U
Heptachlor epoxide	0.1U	0.1U	0.1U	0.1U	0.1UJ	0.1U	0.1U
Methoxychlor	0.5U	0.5U	0.5U	0.5U	0.5UJ	0.5U	0.5U
Toxaphene	2U	2U	2U	2U	2UJ	2U	2U
[illegible]				Concentration [illegible]			
Aroclor-1016	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1221	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1232	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1242	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1248	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1254	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1260	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Table B-1: Summary of Analytical Results for Moffett Site 1

Sample ID	W1-5	W99-1	W1-8	W1-12	W1-14	W1-15	W1-16
Date Collected	07/12/1999	07/12/1999	07/12/1999	07/12/1999	07/12/1999	07/13/1999	07/12/1999
Analysis		field duplicate [1]					
[illegible]				Concentration (ug/L)			
Antimony	2.7J	3.1J	3.9J	50U	50U	50U	4.5J
Arsenic	50UJ	50UJ	50UJ	50U	50U	50U	50UJ
Barium	354	357	97.2J	76.1 J	157	171	1,180
Beryllium	2UJ	2UJ	2UJ	2U	2U	2U	2UJ
Cadmium	2U	2U	2U	2U	2U	2U	2U
Chromium	1.9J	1.7J	1.7J	10.6	12.9	11.7	5.1J
Cobalt	5.5J	5.5J	10UJ	10U	7.7J	10U	5.7J
Copper	10U	10U	10U	10U	10U	10U	10U
Lead	5UJ	5UJ	5UJ	5U	5U	5U	5UJ
Nickel	40U	40U	40U	40U	40U	40U	40U
Selenium	6.8J	6.5J	7.2J	35.9	43.1	38.7	7.2J
Silver	5U	5U	5U	24.5	23.9	22.2	5U
Thallium	10UJ	10UJ	10UJ	10U	2.4J	10U	10UJ
Vanadium	1.4J	1.1J	10U	10U	10U	10U	6.8J
Zinc	20U	20U	20U	20U	20U	20U	20U
[illegible]				Concentration (ug/L)			
Antimony	50U	1.9J	2.5J	50U	50U	50U	4.5J
Arsenic	50UJ	50UJ	50UJ	50U	14.6J	15.2J	7.3J
Barium	366	360	100	88.2J	140	180	1,220
Beryllium	2UJ	2UJ	2UJ	2U	2U	2U	2UJ
Cadmium	2U	2U	2U	2U	2U	2U	2U
Chromium	2.2J	1.8J	1.4J	10.6	13.9	13.3	5.6J
Cobalt	5.4J	5.4J	10UJ	10U	7.3J	10U	5.3J
Copper	2.6J	10U	10U	10U	10U	10U	1.7J
Lead	3.8J	3.5J	2.4J	5U	5U	5U	5.4
Nickel	40UJ	40UJ	40UJ	40U	40U	40U	10.4J
Selenium	4.8J	4.6J	4.4J	36.9	39.4	41.1	7.7J
Silver	5U	5U	5U	21.7	19.8	21.3	5U
Thallium	10UJ	10UJ	10UJ	10U	2.5J	7.1J	10UJ
Vanadium	1.2J	1.1J	10U	10U	10U	0.68J	8.3J
Zinc	20U	20U	20U	20U	20U	20U	20U
[illegible]				Concentration (ug/L)			
Nitrate-Nitrite as N	**1.31**	**1.22**	**5.08**	0.02U	0.02U	**0.02J**	**0.36**
[illegible]				Concentration (ug/L)			
TOC	**4.4**	**25**	**29**	**12**	**27**	**25**	**52**

1 W99-1 is a field duplicate of sample W1-5

U qualifier indicates that the analyte was not detected at the specified detection limit

J qualifier indicates that the analyte was positively identified but the associated numerical value is below the reporting limit (RL).

UJ qualifier indicates that the analyte was not detected. However, the reported quantitation limit is approximate.

B qualifier indicates that the analyte was also detected in the associated blank

Table B-1: Summary of Analytical Results for Moffett Site 1

Sample ID	W1-19	W1-22	W1-23
Date Collected	07/13/1999	07/12/1999	07/12/1999
Analysis			
EPA 8260		Concentration ug/L	
Acetone	20U	60U	20U
Acrylonitrile	2U	50U	2U
Benzene	2U	50U	2U
Bromobenzene	2U	50U	2U
Bromochloromethane	2U	50U	2U
Bromodichloromethane	2U	50U	2U
Bromoform	2U	50U	2U
Bromomethane	2U	50U	2U
2-Butanone	2U	50U	2U
Carbon disulfide	2U	50U	1J
Carbon tetrachloride	2U	50U	2U
Chlorobenzene	2U	50U	2U
Chloroethane	2U	50U	2U
Chloroform	2U	50U	2U
Chloromethane	2U	50U	2U
1,2-Dibromo-3-chloropropane	2.1U	50U	2.1U
1,2-Dibromoethane	2U	50U	2U
Dibromomethane	2U	50U	2U
trans-1,4-Dichlorobutene	2U	50U	2U
1,2-Dichlorobenzene	2U	50U	2U
1,4-Dichlorobenzene	2U	50U	2U
1,1-Dichloroethane	2U	50U	2U
1,2-Dichloroethane	2U	50U	2U
1,1-Dichloroethene	2U	50U	2U
cis-1,2-Dichloroethene	2U	50U	2U
trans-1,2-Dichloroethene	2U	50U	2U
1,2-Dichloropropane	2U	50U	2U
cis-1,3-Dichloropropene	2U	50U	2U
trans-1,3-Dichloropropene	2U	50U	2U
Ethylbenzene	2U	50U	2U
2-Hexanone	2U	50U	2U
Methylene chloride	**3B**	50U	**5B**
4-Methyl-2-pentanone	2U	50U	2U
Styrene	2U	50U	2U
1,1,1,2-Tetrachloroethane	2U	50U	2U
1,1,2,2-Tetrachloroethane	2U	50U	2U
Tetrachloroethene	2U	50U	2U
Toluene	2U	50U	2U
1,1,1-Trichloroethane	2U	50U	2U

Table B-1: Summary of Analytical Results for Moffett Site 1

Sample ID	W1-19	W1-22	W1-23
Date Collected	07/13/1999	07/12/1999	07/12/1999
Analysis			
[illegible]		Concentration ug/L	
1,1,2-Trichloroethane	2U	50U	2U
Trichloroethene	2U	50U	2U
Trichlorofluoromethane	2U	50U	2U
Vinyl chloride	2U	50U	2U
1,2,3-Trichloropropane	2U	50U	2U
Vinyl Acetate	2U	58U	2U
m/p-Xylene	2U	50U	2U
o-Xylene	2U	50U	2U
[illegible]		Concentration ug/L	
Aldrin	0.05U	0.05U	0.05U
alpha-BHC	0.05U	0.05U	0.05U
beta-BHC	0.05U	0.05U	0.05U
delta-BHC	0.05U	0.05U	0.05U
gamma-BHC (Lindane)	0.05U	0.05U	0.05U
alpha Chlordane	0.05U	0.05U	0.05U
gamma Chlordane	0.05U	**0.007J**	0.05U
4,4'-DDD	0.1U	0.1U	0.1U
4,4'-DDE	0.1U	0.1U	0.1U
4,4'-DDT	0.1U	0.1U	0.1U
Dieldrin	0.1U	0.1U	0.1U
Endosulfan I	0.05U	0.05U	0.05U
Endosulfan II	0.1U	0.1U	0.1U
Endosulfan sulfate	0.1U	0.1U	0.1U
Endrin	0.1U	0.1U	0.1U
Endrin aldehyde	0.1U	0.1U	0.1U
Endrin ketone	0.1U	0.1U	0.1U
Heptachlor	0.05U	0.05U	0.05U
Heptachlor epoxide	0.1U	0.1U	0.1U
Methoxychlor	0.5U	0.5U	0.5U
Toxaphene	2U	2U	2U
[illegible]		Concentration ug/L	
Aroclor-1016	0.5U	0.5U	0.5U
Aroclor-1221	0.5U	0.5U	0.5U
Aroclor-1232	0.5U	0.5U	0.5U
Aroclor-1242	0.5U	0.5U	0.5U
Aroclor-1248	0.5U	0.5U	0.5U
Aroclor-1254	0.5U	0.5U	0.5U
Aroclor-1260	0.5U	0.5U	0.5U

Table B-1: Summary of Analytical Results for Moffett Site 1

Sample ID	W1-19	W1-22	W1-23
Date Collected	07/13/1999	07/12/1999	07/12/1999
Analysis			
[illegible]	[illegible]	[illegible]	[illegible]
Antimony	50U	50U	50U
Arsenic	50U	50UJ	50U
Barium	67.3J	247	92.6J
Beryllium	2U	2UJ	2U
Cadmium	2U	2U	2U
Chromium	13.3	10UJ	38.6
Cobalt	10.7	22.7	35
Copper	10U	1.6J	2.4J
Lead	5U	5UJ	5U
Nickel	11.5J	33.7J	561
Selenium	25.8	3.0J	26.5
Silver	10	5U	16
Thallium	6.7J	10UJ	35.2
Vanadium	10U	2.7J	10U
Zinc	20U	20U	11.6J
[illegible]	[illegible]	[illegible]	[illegible]
Antimony	50U	50U	50U
Arsenic	10J	10J	15.8J
Barium	71.7J	252	96.8J
Beryllium	2U	2UJ	2U
Cadmium	2U	2U	2U
Chromium	12.7	10UJ	36.9
Cobalt	11.2	22.5	35.7
Copper	3.3J	10U	7.9J
Lead	5U	1.8J	5U
Nickel	13.6J	34J	574
Selenium	26	3.7J	23.8
Silver	10.2	5U	16.3
Thallium	12.3	10UJ	37.4
Vanadium	10U	0.96J	10U
Zinc	20U	20U	23
[illegible]	[illegible]	[illegible]	[illegible]
Nitrate-Nitrite as N	**0.052**	0.02U	0.02U
[illegible]	[illegible]	[illegible]	[illegible]
TOC	**16**	**82**	**62**

U qualifier indicates that the analyte was not detected at the specified detection limit

J qualifier indicates that the analyte was positively identified but the associated numerical value is below the reporting limit (RL).

UJ qualifier indicates that the analyte was not detected. However, the reported quantitation limit is approximate.

B qualifier indicates that the analyte was also detected in the associated blank

Table B-2: Summary of Analytical Results for Moffett Site 2

Sample ID	W2-5	W2-6	W2-12	W2-14	W2-15	W2-16	W99-2
Date Collected	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999
Analysis							field duplicate[1]
[illegible]				Concentration [illegible]			
Acenaphthylene	NA	10U	10U	10U	10U	20U	10U
Acenaphthene	NA	10U	10U	10U	10U	20U	10U
Anthracene	NA	10U	10U	10U	10U	20U	10U
Benzo(a)anthracene	NA	10U	10U	10U	10U	20U	10U
Benzo(a)pyrene	NA	10U	10U	10U	10U	20U	10U
Benzo(b)fluoranthene	NA	10U	10U	10U	10U	20U	10U
Benzo(k)fluoranthene	NA	10U	10U	10U	10U	20U	10U
2,2'-Oxybis(1-chloropropane)	NA	10U	10U	10U	10U	20U	10U
bis(2-Ethylhexyl)phthalate	NA	**5.J**	**3.J**	**6.J**	**5.J**	**4.J**	**8.J**
4-Bromophenyl-phenylether	NA	10U	10U	10U	10U	20U	10U
Butylbenzylphthalate	NA	10U	10U	10U	10U	20U	10U
Carbazole	NA	10U	10U	10U	10U	20U	10U
4-Chloro-3-Methylphenol	NA	10U	10U	10U	10U	20U	10U
4-Chloroaniline	NA	10U	10U	10U	10U	20U	10U
2-Chloronaphthalene	NA	10U	10U	10U	10U	20U	10U
2-Chlorophenol	NA	10U	10U	10U	10U	20U	10U
4-Chlorophenyl-phenylether	NA	10U	10U	10U	10U	20U	10U
Chrysene	NA	10U	10U	10U	10U	20U	10U
Di-n-butylphthalate	NA	10U	10U	10U	10U	20U	10U
Di-n-octylphthalate	NA	10U	10U	10U	10U	20U	10U
Dibenz(a,h)anthracene	NA	10U	10U	10U	10U	20U	10U
Dibenzofuran	NA	10U	10U	10U	10U	20U	10U
1,2-Dichlorobenzene	NA	5U	5U	5U	5U	10U	5U
1,3-Dichlorobenzene	NA	5U	5U	5U	5U	10U	5U
1,4-Dichlorobenzene	NA	5U	5U	5U	5U	10U	5U
3,3'-Dichlorobenzidine	NA	10U	10U	10U	10U	20U	10U
2,4-Dichlorophenol	NA	10U	10U	10U	10U	20U	10U
Diethylphthalate	NA	**4.J**	10U	10U	**8.J**	**5.J**	**5.J**
Dimethylphthalate	NA	**2.J**	10U	10U	**5.J**	**3.J**	**3.J**
2,4-Dimethylphenol	NA	10U	10U	10U	10U	20U	10U
4,6-Dinitro-2-methylphenol	NA	25U	25U	25U	25U	50U	25U
2,4-Dinitrophenol	NA	25U	25U	25U	25U	50U	25U
2,4-Dinitrotoluene	NA	10U	10U	10U	10U	20U	10U
2,6-Dinitrotoluene	NA	10U	10U	10U	10U	20U	10U
Fluoranthene	NA	10U	10U	10U	10U	20U	10U
Fluorene	NA	10U	10U	10U	10U	20U	10U
Hexachlorobenzene	NA	10U	10U	10U	10U	20U	10U
Hexachlorobutadiene	NA	10U	10U	10U	10U	20U	10U
Hexachlorocyclopentadiene	NA	10U	10U	10U	10U	20U	10U
Hexachloroethane	NA	10U	10U	10U	10U	20U	10U
Indeno(1,2,3-cd)pyrene	NA	10U	10U	10U	10U	20U	10U

Table B-2: Summary of Analytical Results for Moffett Site 2

Sample ID	W2-5	W2-6	W2-12	W2-14	W2-15	W2-16	W99-2
Date Collected	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999
Analysis							field duplicate[1]
[illegible]				Concentration ug/L			
Isophorone	NA	10U	10U	10U	10U	20U	10U
2-Methylnaphthalene	NA	10U	10U	10U	10U	20U	10U
2-Methylphenol	NA	10U	10U	10U	10U	20U	10U
4-Methylphenol	NA	10U	10U	10U	10U	20U	10U
Naphthalene	NA	10U	10U	10U	10U	20U	10U
2-Nitroaniline	NA	25U	25U	25U	25U	50U	25U
3-Nitroanaline	NA	25U	25U	25U	25U	50U	25U
4-Nitroanaline	NA	25U	25U	25U	25U	50U	25U
Nitrobenzene	NA	10U	10U	10U	10U	20U	10U
2-Nitrophenol	NA	10U	10U	10U	10U	20U	10U
4-Nitrophenol	NA	25U	25U	25U	25U	50U	25U
N-Nitroso-di-n-propylamine	NA	10U	10U	10U	10U	20U	10U
N-Nitrosodiphenylamine	NA	10U	10U	10U	10U	20U	10U
Pentachlorophenol	NA	25U	25U	25U	25U	50U	25U
Phenanthrene	NA	10U	10U	10U	10U	20U	10U
Phenol	NA	10U	10U	10U	10U	20U	10U
Pyrene	NA	10U	10U	10U	10U	20U	10U
1,2,4-Trichlorobenzene	NA	10U	10U	10U	10U	20U	10U
2,4,5-Trichlorophenol	NA	25U	25U	25U	25U	50U	25U
2,4,6-Trichlorophenol	NA	10U	10U	10U	10U	20U	10U
[illegible]				Concentration ug/L			
Acetone	2U	2U	**14B**	2U	**3B**	**15B**	**18B**
Benzene	0.5U	0.5U	0.5U	0.5U	0.5U	3U	3U
Bromodichloromethane	2U	2U	2U	2U	2U	10U	10U
Bromoform	2U	2U	2U	2U	2U	10U	10U
Bromomethane	2U	2U	2U	2U	2U	10U	10U
2-Butanone	2U	2U	2U	2U	2U	10U	10U
Carbon disulfide	2U	2U	2U	2U	2U	10U	10U
Carbon tetrachloride	0.5U	0.5U	0.5U	0.5U	0.5U	3U	3U
Chlorobenzene	2U	2U	2U	2U	2U	10U	10U
Dibromochloromethane	2U	2U	2U	2U	2U	10U	10U
Chloroethane	2U	2U	2U	2U	2U	10U	10U
Chloroform	2U	**0.8J**	**0.7J**	**0.7J**	**1J**	10U	10U
Chloromethane	2U	2U	2U	2U	2U	10U	10U
1,1-Dichloroethane	2U	2U	2U	2U	2U	10U	10U
1,2-Dichloroethane	0.5U	0.5U	0.5U	0.5U	0.5U	3U	3U
1,1-Dichloroethene	2U	2U	2U	2U	2U	10U	10U
1,2-Dichloroethene (total)	2U	2U	2U	2U	2U	10U	10U
1,2-Dichloropropane	2U	2U	2U	2U	2U	10U	10U
cis-1,3-Dichloropropene	0.5U	0.5U	0.5U	0.5U	0.5U	3U	3U

Table B-2: Summary of Analytical Results for Moffett Site 2

Sample ID	W2-5	W2-6	W2-12	W2-14	W2-15	W2-16	W99-2
Date Collected	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999
Analysis							field duplicate[1]
[illegible]				Concentration, ug/L			
trans-1,3-Dichloropropene	0.5U	0.5U	0.5U	0.5U	0.5U	3U	3U
Ethylbenzene	2U	2U	2U	2U	2U	10U	10U
2-Hexanone	2U	2U	2U	2U	2U	10U	10U
Methylene chloride	2U	2U	2U	2U	2U	10U	10U
4-Methyl-2-pentanone	2U	2U	2U	2U	2U	10U	10U
Styrene	2U	2U	2U	2U	2U	10U	10U
1,1,2,2-Tetrachloroethane	2U	2U	2U	2U	2U	10U	10U
Tetrachloroethene	2U	2U	2U	2U	2U	10U	10U
Toluene	2U	2U	2U	2U	2U	10U	10U
1,1,1-Trichloroethane	2U	2U	2U	2U	2U	10U	10U
1,1,2-Trichloroethane	2U	2U	2U	2U	2U	10U	10U
Trichloroethene	2U	2U	2U	2U	2U	3J	10U
Vinyl chloride	0.5U	0.5U	0.5U	0.5U	0.5U	3U	3U
Xylene (total)	2U	2U	2U	2U	2U	10U	10U
[illegible]				Concentration, ug/L			
alpha-BHC	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
beta-BHC	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
delta-BHC	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
gamma-BHC (Lindane)	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
Heptachlor	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
Aldrin	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
Heptachlor epoxide	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
Endosulfan i	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Dieldrin	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
4,4'-DDE	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Endrin	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Endosulfan II	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
4,4'-DDD	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Endosulfan sulfate	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
4,4'-DDT	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Methoxychlor	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Endrin ketone	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Endrin aldehyde	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U
Toxaphene	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
alpha Chlordane	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
gamma Chlordane	2U	2U	2U	2U	2U	2U	2U

Table B-2: Summary of Analytical Results for Moffett Site 2

Sample ID	W2-5	W2-6	W2-12	W2-14	W2-15	W2-16	W99-2
Date Collected	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999	07/13/1999
Analysis							field duplicate[1]
[illegible]				[illegible]			
Aroclor-1016	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1221	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1232	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1242	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1248	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1254	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Aroclor-1260	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
[illegible]				[illegible]			
Diesel	0.1U	0.1U	0.1U	0.1U	**0.02J**	0.1U	0.1U
Motor Oil	0.03J	**0.01J**	0.1U	**0.02J**	**0.04J**	0.1U	0.1U

1. Sample W99-2 is a field duplicate of sample W2-16.

U qualifier indicates that the analyte was not detected at the specified detection limit

J qualifier indicates that the analyte was positively identified but the associated numerical value is below the reporting limit (RL).

NA indicates that the sample was not analyzed for this parameter due to a labortory error

B qualifier indicates that the analyte was also detected in the associated blank