APPENDIX E

LABORATORY REPORTS, CHAIN OF CUSTODY DOCUMENTATION, AND DATA VALIDATION SUMMARY

APCL

Applied Physics & Chemistry Laboratory HAm01

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

January 31, 2002

Received 2/5/02

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 01-7904 and your project 831471 Hamilton AF. Enclosed please find:

(1) Original report;
(2) Oringinal Chain of Custody;
(3) One diskette containing EDD deliverable; and
(3) One original and one copy of Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)288-0888

Service ID #: 801-017904 Received: 12/28/01
Collected by: Scott Elkind/Joe Strack Extracted: 12/28-31/01
Collected on: 12/27/01 Tested:12/28/01-1/10/02
Reported: 01/10/02
Sample Description: Soil and Water
Project Description: 831471 Hamilton AF

Analysis of Water and Soil Samples

I . Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result EB1-109 01-07904-1
Dilution Factor				1
ARSENIC	6010B	μg/L	5	<5
BERYLLIUM	6010B	μg/L	2	<2
CADMIUM	6010B	μg/L	2	<2
COBALT	6010B	μg/L	5	<5
LEAD	6010B	μg/L	5	1.3J
MANGANESE	6010B	μg/L	5	<5
MERCURY	7470A	μg/L	0.5	<0.5
NICKEL	6010B	μg/L	5	1.6J
ZINC	6010B	μg/L	10	5.5J
Dilution Factor				1
PHC AS DIESEL FUEL	8015B	mg/L	0.5	<0.5 [a]
Dilution Factor				1
DIBENZOFURAN	8270C	μg/L	10	<10
ORGANOCHLORINE PESTICIDES				
Dilution Factor				1
4,4'-DDD	8081A	μg/L	0.1	<0.1
4,4'-DDE	8081A	μg/L	0.1	<0.1
4,4'-DDT	8081A	μg/L	0.1	<0.1
PCBS				
Dilution Factor				1
PCB-1016 (AROCLOR 1016)	8082	μg/L	1	<1
PCB-1221 (AROCLOR 1221)	8082	μg/L	2	<2
PCB-1232 (AROCLOR 1232)	8082	μg/L	1	<1
PCB-1242 (AROCLOR 1242)	8082	μg/L	1	<1
PCB-1248 (AROCLOR 1248)	8082	μg/L	1	<1
PCB-1254 (AROCLOR 1254)	8082	μg/L	1	<1
PCB-1260 (AROCLOR 1260)	8082	μg/L	1	<1

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result EB1-109 01-07904-1
POLYNUCLEAR AROMATIC HC (PAH)				
Dilution Factor				1
ACENAPHTHENE	8310	µg/L	5	<5
ANTHRACENE	8310	µg/L	0.2	<0.2
BENZO(A)ANTHRACENE	8310	µg/L	0.2	<0.2
BENZO(A)PYRENE	8310	µg/L	0.2	<0.2
BENZO(B)FLUORANTHENE	8310	µg/L	0.2	<0.2
BENZO(G,H,I)PERYLENE	8310	µg/L	0.2	<0.2
CHRYSENE	8310	µg/L	0.2	<0.2
FLUORANTHENE	8310	µg/L	0.2	<0.2
FLUORENE	8310	µg/L	1	<1
INDENO(1,2,3-C,D)PYRENE	8310	µg/L	0.2	<0.2
PHENANTHRENE	8310	µg/L	1	<1
PYRENE	8310	µg/L	0.2	<0.2

II . Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL602-SO-101 01-07904-2	HBSFL602-SO-102 01-07904-3	HBSFL603-SO-103 01-07904-4
MOISTURE	ASTM-D2216	%Moisture	0.5	28.3	28.6	29.6
PH	9045C	pH unit	0.01	6.54	6.31	5.95
Dilution Factor				1	1	1
ARSENIC	6010B	mg/kg	0.25	15.6	16.1	12.0
BERYLLIUM	6010B	mg/kg	0.5	0.26J	0.33J	0.22J
CADMIUM	6010B	mg/kg	0.3	<0.42	<0.42	0.050J
COBALT	6010B	mg/kg	1	16.0	15.8	17.2
LEAD	6010B	mg/kg	1	25.0	26.3	24.6
MANGANESE	6010B	mg/kg	1	436	465	519
MERCURY, HG	7471A	mg/kg	0.1	0.25	0.42	0.24
NICKEL	6010B	mg/kg	2	77.1	79.5	78.8
ZINC	6010B	mg/kg	1	82.2	84.2	92.3
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	8015B	mg/kg	2.3 (b)	4.8 (c)	3.5 (c)	4.7 (c)
Dilution Factor				1	1	1
DIBENZOFURAN	8270C	µg/kg	100 (d)	<140	<140	<140
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
4,4'-DDD	8081A	µg/kg	4	<5.6	<5.6	8
4,4'-DDE	8081A	µg/kg	4	<5.6	<5.6	13
4,4'-DDT	8081A	µg/kg	4	<5.6	<5.6	58

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Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL602-SO-101 01-07904-2	HBSFL602-SO-102 01-07904-3	HBSFL603-SO-103 01-07904-4
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	µg/kg	33	<46	<46	<47
PCB-1221 (AROCLOR 1221)	8082	µg/kg	66	<92	<92	<94
PCB-1232 (AROCLOR 1232)	8082	µg/kg	33	<46	<46	<47
PCB-1242 (AROCLOR 1242)	8082	µg/kg	33	<46	<46	<47
PCB-1248 (AROCLOR 1248)	8082	µg/kg	33	<46	<46	<47
PCB-1254 (AROCLOR 1254)	8082	µg/kg	33	<46	<46	<47
PCB-1260 (AROCLOR 1260)	8082	µg/kg	33	<46	<46	<47
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				1	1	1
ACENAPHTHENE	8310	µg/kg	15	<21	<21	<21
ANTHRACENE	8310	µg/kg	10	<14	<14	<14
BENZO(A)ANTHRACENE	8310	µg/kg	5	<7.0	<7.0	<7.1
BENZO(A)PYRENE	8310	µg/kg	2	<2.8	<2.8	<2.8
BENZO(B)FLUORANTHENE	8310	µg/kg	5	0.7J	<7.0	<7.1
BENZO(G,H,I)PERYLENE	8310	µg/kg	5	<7.0	<7.0	<7.1
CHRYSENE	8310	µg/kg	5	<7.0	<7.0	<7.1
FLUORANTHENE	8310	µg/kg	5	3J	<7.0	<7.1
FLUORENE	8310	µg/kg	5	<7.0	<7.0	<7.1
INDENO(1,2,3-C,D)PYRENE	8310	µg/kg	5	<7.0	<7.0	<7.1
PHENANTHRENE	8310	µg/kg	5	<7.0	<7.0	<7.1
PYRENE	8310	µg/kg	2	<2.8	<2.8	<2.8

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL604-SO-104 01-07904-5	HBSFL605-SO-105 01-07904-6	HBSFL606-SO-106 01-07904-7
MOISTURE	ASTM-D2216	%Moisture	0.5	26.9	27.1	28.1
PH	9045C	pH unit	0.01	6.49	6.10	6.81
Dilution Factor				1	1	1
ARSENIC	6010B	mg/kg	0.25	12.8	12.0	10.3
BERYLLIUM	6010B	mg/kg	0.5	0.27J	0.29J	0.37J
CADMIUM	6010B	mg/kg	0.3	0.15J	0.029J	<0.42
COBALT	6010B	mg/kg	1	18.0	16.2	11.3
LEAD	6010B	mg/kg	1	32.6	23.3	12.1
MANGANESE	6010B	mg/kg	1	599	464	238
MERCURY, HG	7471A	mg/kg	0.1	0.25	0.28	0.38
NICKEL	6010B	mg/kg	2	87.1	82.9	68.5
ZINC	6010B	mg/kg	1	102	91.7	72.9
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	8015B	mg/kg	2.3 (b)	8.5 (c)	4.2 (c)	<3.2
Dilution Factor				1	1	1
DIBENZOFURAN	8270C	µg/kg	100 (d)	<140	<140	<140

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL604-SO-104 01-07904-5	HBSFL605-SO-105 01-07904-6	HBSFL606-SO-106 01-07904-7
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
4,4'-DDD	8081A	µg/kg	4	<5.5	<5.5	0.9J
4,4'-DDE	8081A	µg/kg	4	0.6J	0.5J	3J
4,4'-DDT	8081A	µg/kg	4	2J	0.6J	8
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	8082	µg/kg	100	<140	<140	<140
PCB-1221 (AROCLOR 1221)	8082	µg/kg	100	<140	<140	<140
PCB-1232 (AROCLOR 1232)	8082	µg/kg	100	<140	<140	<140
PCB-1242 (AROCLOR 1242)	8082	µg/kg	100	<140	<140	<140
PCB-1248 (AROCLOR 1248)	8082	µg/kg	100	<140	<140	<140
PCB-1254 (AROCLOR 1254)	8082	µg/kg	50	<68	<69	<70
PCB-1260 (AROCLOR 1260)	8082	µg/kg	50	<68	<69	<70
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				1	1	1
ACENAPHTHENE	8310	µg/kg	15	<21	<21	<21
ANTHRACENE	8310	µg/kg	10	<14	<14	<14
BENZO(A)ANTHRACENE	8310	µg/kg	5	<6.8	<6.9	<7.0
BENZO(A)PYRENE	8310	µg/kg	2	<2.7	<2.7	<2.8
BENZO(B)FLUORANTHENE	8310	µg/kg	5	<6.8	<6.9	<7.0
BENZO(G,H,I)PERYLENE	8310	µg/kg	5	<6.8	<6.9	<7.0
CHRYSENE	8310	µg/kg	5	<6.8	<6.9	<7.0
FLUORANTHENE	8310	µg/kg	5	<6.8	<6.9	<7.0
FLUORENE	8310	µg/kg	5	<6.8	<6.9	<7.0
INDENO(1,2,3-C,D)PYRENE	8310	µg/kg	5	<6.8	<6.9	<7.0
PHENANTHRENE	8310	µg/kg	5	<6.8	<6.9	<7.0
PYRENE	8310	µg/kg	2	<2.7	<2.7	<2.8

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL607-SO-107 01-07904-8	HBSFL608-SO-108 01-07904-9
MOISTURE	ASTM-D2216	%Moisture	0.5	28.4	26.4
PH	9045C	pH unit	0.01	6.13	5.34
Dilution Factor				1	1
ARSENIC	6010B	mg/kg	0.25	13.6	9.4
BERYLLIUM	6010B	mg/kg	0.5	0.52J	0.24J
CADMIUM	6010B	mg/kg	0.3	0.16J	<0.41
COBALT	6010B	mg/kg	1	13.5	16.1
LEAD	6010B	mg/kg	1	53.9	18.2
MANGANESE	6010B	mg/kg	1	357	393
MERCURY, HG	7471A	mg/kg	0.1	0.40	0.16
NICKEL	6010B	mg/kg	2	82.4	76.7
ZINC	6010B	mg/kg	1	91.3	90.7
Dilution Factor				1	1
PHC AS DIESEL FUEL	8015B	mg/kg	2.3 (b)	5.0 (c)	<3.1
Dilution Factor				1	1
DIBENZOFURAN	8270C	µg/kg	100 (d)	<140	<140

Applied P & Ch Laboratory
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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL607-SO-107 01-07904-8	HBSFL608-SO-108 01-07904-9
ORGANOCHLORINE PESTICIDES					
Dilution Factor				1	1
4,4'-DDD	8081A	μg/kg	4	<5.6	6
4,4'-DDE	8081A	μg/kg	4	<5.6	11
4,4'-DDT	8081A	μg/kg	4	<5.6	36
PCBS					
Dilution Factor				1	1
PCB-1016 (AROCLOR 1016)	8082	μg/kg	100	<140	<140
PCB-1221 (AROCLOR 1221)	8082	μg/kg	100	<140	<140
PCB-1232 (AROCLOR 1232)	8082	μg/kg	100	<140	<140
PCB-1242 (AROCLOR 1242)	8082	μg/kg	100	<140	<140
PCB-1248 (AROCLOR 1248)	8082	μg/kg	100	<140	<140
PCB-1254 (AROCLOR 1254)	8082	μg/kg	50	<70	<68
PCB-1260 (AROCLOR 1260)	8082	μg/kg	50	<70	<68
POLYNUCLEAR AROMATIC HC (PAH)					
Dilution Factor				1	1
ACENAPHTHENE	8310	μg/kg	15	<21	<20
ANTHRACENE	8310	μg/kg	10	<14	<14
BENZO(A)ANTHRACENE	8310	μg/kg	5	<7.0	<6.8
BENZO(A)PYRENE	8310	μg/kg	2	<2.8	<2.7
BENZO(B)FLUORANTHENE	8310	μg/kg	5	<7.0	<6.8
BENZO(G,H,I)PERYLENE	8310	μg/kg	5	<7.0	<6.8
CHRYSENE	8310	μg/kg	5	<7.0	<6.8
FLUORANTHENE	8310	μg/kg	5	<7.0	<6.8
FLUORENE	8310	μg/kg	5	<7.0	<6.8
INDENO(1,2,3-C,D)PYRENE	8310	μg/kg	5	<7.0	<6.8
PHENANTHRENE	8310	μg/kg	5	<7.0	<6.8
PYRENE	8310	μg/kg	2	<2.8	<2.7

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
(a) Sample chromatogram contained some unknown peaks at C_{16} -C_{24} range.
(b) MDL reported.
(c) Unknown mixture in Diesel range.
(d) Analyzed on an instrument with MDL = 38 μg/L for this compound.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 3197
Page 1 of 21

Project Name/No. [1] HAAF / 831471
Sample Team Members [2] Scott Elkind & Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 12/27/01
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vikki Taylor 925-288-2350
Carrier/Waybill No. [13]

Bill to: [5] IT Corp.
4005 Port Chicago Hwy
Concord, CA 94520

Report to: [10] Vikki Taylor, Program Chemist

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Preservative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
HBSFL602-SO-101	SOIL	12-27-01/0915	2"x6" SLEEVE	2 EA.	N/A	SVOC'S; PAH'S; TPH-d; METALS; PESTICIDES; AND, PCB'S.	FOR LAB USE ONLY	
HBSFL602-SO-102	SOIL	12-27-01/0915		2 EA			Temp 4.7	
HBSFL603-SO-103	SOIL (MS/MSD)	12-27-01/0925		2+2 EA				
HBSFL604-SO-104	SOIL	12/27/01 0955		2 EA			3.9C	
HBSFL605-SO-105	SOIL	12-27-01/ 1005					FOR LAB USE ONLY	
HBSFL606-SO-106	SOIL	12-27-01/ 1015					Good Condition	
HBSFL607-SO-107	SOIL	12-27-01/ 1020						
HBSFL-608-SO-108	SOIL	12-27-01/ 1030						

4067

Special Instructions: [23] Refer to attached sheet for specific analyte list.

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☒ 3 day TAT

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation) [signature] IT	Date: 12/27/01 Time: 1130	1. Received by [28] (Signature/Affiliation) [signature]	Date: 12/28/01 Time: 0700
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

MCA 3/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

the igroup

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 563198
Page 1 of 1

Project Name/No. 1 HAAF 183,471
Sample Team Members 2 Scott Elkind / Joe Strack
Profit Center No. 3
Project Manager 4 Nora Okusu
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 12/27/01
Lab Destination 8 APCL
Lab Contact 9 HSIN-YI-LEE
Project Contact/Phone 12 Vicky Taylor (925) 288-2350
Carrier/Waybill No. 13

Bill to: 5 IT Corp.
4005 Port Chicago HWY
Concord, CA 94520

Report to: 10 Vicky Taylor, Program Chemist

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
EB1-109	Liquid	12/27/01 0830	Various	1L container	-	SVOCs, TPH-d, PAHs Metals, Pesticides, PCBs		

4061

FOR LAB USE ONLY
3.9 °C

FOR LAB USE ONLY
Good Condition

Special Instructions: 23 Refer to Attached Sheet for Specific Analyte List

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 3 day TAT

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) IT	Date: 12/27/01 Time: 1130	1. Received by 28 (Signature/Affiliation)	Date: 12/28/01 Time: 0900
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 1/30/02

January 23 ,2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway,
Concord CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 801-021026 and your project 831471 Hamilton AFB.
Enclosed please find:

(1) Original Final Report.
(2) Original Chain of Custody.
(3) One Original and one Copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)288-0888

Service ID #: 801-021026
Collected by: Scott Elkind
Collected on: 01/03/02

Received: 01/04/02
Extracted: 01/04/02
Tested: 01/04-05/02
Reported: 01/07/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L601-SO-112 02-01026-1	HB41L602-SO-113 02-01026-2
Moisture	ASTM-D2216	%Moisture	0.5	41.0	33.0
Dilution Factor				1	1
PHC as DIESEL FUEL	8015B	mg/kg	2.3 [a]	47	23
Dilution Factor				1	1
MOTOR OILS	8015B	mg/kg	10	65	24

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L603-SO-114 02-01026-3	HB41L604-SO-115 02-01026-4
Moisture	ASTM-D2216	%Moisture	0.5	40.0	33.6
Dilution Factor				1	1
PHC as DIESEL FUEL	8015B	mg/kg	2.3 [a]	6.3	18
Dilution Factor				1	1
MOTOR OILS	8015B	mg/kg	10	14J	28

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] MDL reported.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 003195
Page 1 of 1

Project Name/No. 1 HAAF/831471
Sample Team Members 2 Scott Elkind
Profit Center No. 3
Project Manager 4 Nora Okuso
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 ~~12/27~~ 1/3/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 288-2350
Carrier/Waybill No. 13

Bill to: 5 IT Corp. Concord, CA

Report to: 10 Vicky Taylor

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HB41L601-SO-112	Soil	1/3/02 1420	8oz Glass	–	–	TPH-d, mo		
HB41L602-SO-113	Soil	1/3/02 1440						
HB41L603-SO-114	Soil	1/3/02 1615						
HB41L604-SO-115	Soil	1/3/02 1630						

1026

FOR LAB USE ONLY
Good Condition
Temp: 4.1°C

FOR LAB USE ONLY

1/3/02

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 72 hr TAT

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation)	Date: 1/3/02 Time: 1700	1. Received by 28 (Signature/Affiliation)	Date: 1/4/02 Time: 0900
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

MCA 3/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021124
Collected by: Scott Elkind
Collected on: 01/10/02

Received: 01/11/02
Extracted: 1/14/02
Tested: 01/14-15/02
Revised: 03/22/02

Sample Description: Soil and Water
Project Description: 831471 Hamilton AFB

Analysis of Water and Soil Samples

I . Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result EB2-116 02-01124-1
Dilution Factor				1
ARSENIC	6010B	μg/L	5	<5
BARIUM	6010B	μg/L	10	1.3J
BERYLLIUM	6010B	μg/L	2	0.095J
BORON	6010B	μg/L	300	52.0J
CADMIUM	6010B	μg/L	2	<2
CHROMIUM	6010B	μg/L	5	1.0J
COBALT	6010B	μg/L	5	<5
COPPER	6010B	μg/L	10	3.0J
LEAD	6010B	μg/L	5	<5
MANGANESE	6010B	μg/L	5	1.1J
MERCURY	7470A	μg/L	0.5	<0.5
NICKEL	6010B	μg/L	5	1.2J
SILVER	6010B	μg/L	10	<10
VANADIUM	6010B	μg/L	10	<10
ZINC	6010B	μg/L	10	12.3
Dilution Factor				1
PHC AS DIESEL FUEL	8015B	mg/L	0.5	0.03J
Dilution Factor				1
MOTOR OILS	M8015E	mg/L	0.5	<0.5
Dilution Factor				1
DIBENZOFURAN	8270C	μg/L	10 [a]	<10

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result EB2-116 02-01124-1
PAH-SIM				
Dilution Factor				1
ACENAPHTHENE	PAH-SIM	μg/L	1	<1
ACENAPHTHYLENE	PAH-SIM	μg/L	1	<1
ANTHRACENE	PAH-SIM	μg/L	1	<1
BENZO(A)ANTHRACENE	PAH-SIM	μg/L	1	<1
BENZO(A)PYRENE	PAH-SIM	μg/L	1	<1
BENZO(B)FLUORANTHENE	PAH-SIM	μg/L	1	<1
BENZO(G,H,I)PERYLENE	PAH-SIM	μg/L	1	<1
BENZO(K)FLUORANTHENE	PAH-SIM	μg/L	1	<1
CHRYSENE	PAH-SIM	μg/L	1	<1
DIBENZ(A,H)ANTHRACENE	PAH-SIM	μg/L	1	<1
FLUORANTHENE	PAH-SIM	μg/L	1	<1
FLUORENE	PAH-SIM	μg/L	1	<1
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	μg/L	1	<1
2-METHYLNAPHTHALENE	PAH-SIM	μg/L	1	<1
NAPHTHALENE	PAH-SIM	μg/L	1	<1
PHENANTHRENE	PAH-SIM	μg/L	1	<1
PYRENE	PAH-SIM	μg/L	1	<1
ORGANOCHLORINE PESTICIDES				
Dilution Factor				1
4,4'-DDD	8081A	μg/L	0.1	<0.1
4,4'-DDE	8081A	μg/L	0.1	<0.1
4,4'-DDT	8081A	μg/L	0.1	<0.1
POLYNUCLEAR AROMATIC HC (PAH)				
Dilution Factor				1
ACENAPHTHENE	8310	μg/L	5	<5
ANTHRACENE	8310	μg/L	0.2	<0.2
BENZO(A)ANTHRACENE	8310	μg/L	0.2	<0.2
BENZO(A)PYRENE	8310	μg/L	0.2	<0.2
BENZO(B)FLUORANTHENE	8310	μg/L	0.2	<0.2
BENZO(G,H,I)PERYLENE	8310	μg/L	0.2	<0.2
CHRYSENE	8310	μg/L	0.2	<0.2
DIBENZ(A,H)ANTHRACENE	8310	μg/L	0.5	<0.5
FLUORANTHENE	8310	μg/L	0.2	<0.2
FLUORENE	8310	μg/L	1	<1
INDENO(1,2,3-C,D)PYRENE	8310	μg/L	0.2	<0.2
NAPHTHALENE	8310	μg/L	5	<5
PHENANTHRENE	8310	μg/L	1	<1
PYRENE	8310	μg/L	0.2	<0.2

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APCL Analytical Report

II . Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L605-SO-117 02-01124-2	HBPDL601-SO-118 02-01124-3	HBPDL601-SO-119 02-01124-4
MOISTURE	ASTM-D2216	%Moisture	0.5	40.7	49.0	49.0
PH	9045C	pH unit	0.01	10.6	8.78	8.60
Dilution Factor				1	1	1
ARSENIC	6010B	mg/kg	0.25	-	8.8	7.2
BARIUM	6010B	mg/kg	1	-	44.4	49.4
BERYLLIUM	6010B	mg/kg	0.5	-	<0.98	<0.98
BORON,	6010B	mg/kg	20	-	27.1J	26.2J
CADMIUM	6010B	mg/kg	0.3	-	0.036J	0.11J
CHROMIUM	6010B	mg/kg	0.5	-	91.1	87.2
COBALT	6010B	mg/kg	1	-	19.8	19.4
COPPER	6010B	mg/kg	0.5	-	41.8	38.6
LEAD	6010B	mg/kg	1	-	11.3	10.1
MANGANESE	6010B	mg/kg	1	-	574	563
MERCURY	7471A	mg/kg	0.2	-	0.073J	0.092J
NICKEL	6010B	mg/kg	2	-	103	97.5
SILVER	6010B	mg/kg	0.5	-	<0.98	0.048J
VANADIUM	6010B	mg/kg	0.5	-	74.1	67.5
ZINC	6010B	mg/kg	1	-	92.7	90.4
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	8015B	mg/kg	2.3 (b)	88	13	14
Dilution Factor				1	1	1
MOTOR OILS	M8015E	mg/kg	10	79	60	54
Dilution Factor				1	1	1
DIBENZOFURAN	8270C	µg/kg	100 (c)	-	<200	<200
PAH-SIM						
Dilution Factor				1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	17	-	<33	<33
ACENAPHTHYLENE	PAH-SIM	µg/kg	17	-	<33	<33
ANTHRACENE	PAH-SIM	µg/kg	17	-	<33	<33
BENZO(A)ANTHRACENE	PAH-SIM	µg/kg	17	-	<33	<33
BENZO(A)PYRENE	PAH-SIM	µg/kg	17	-	90	99
BENZO(B)FLUORANTHENE	PAH-SIM	µg/kg	17	-	<33	<33
BENZO(G,H,I)PERYLENE	PAH-SIM	µg/kg	17	-	<33	<33
BENZO(K)FLUORANTHENE	PAH-SIM	µg/kg	17	-	<33	<33
CHRYSENE	PAH-SIM	µg/kg	17	-	<33	<33
DIBENZ(A,H)ANTHRACENE	PAH-SIM	µg/kg	17	-	<33	<33
FLUORANTHENE	PAH-SIM	µg/kg	17	-	<33	<33
FLUORENE	PAH-SIM	µg/kg	17	-	<33	<33
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	µg/kg	17	-	<33	<33
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	17	-	<33	<33
NAPHTHALENE	PAH-SIM	µg/kg	17	-	<33	<33
PHENANTHRENE	PAH-SIM	µg/kg	17	-	<33	<33
PYRENE	PAH-SIM	µg/kg	17	-	<33	<33

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L605-SO-117 02-01124-2	HBPDL601-SO-118 02-01124-3	HBPDL601-SO-119 02-01124-4
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
4,4'-DDD	8081A	µg/kg	4	-	1J	1J
4,4'-DDE	8081A	µg/kg	4	-	<7.8	<7.8
4,4'-DDT	8081A	µg/kg	4	-	0.8J	1J
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				1	5	1
ACENAPHTHENE	8310	µg/kg	15	-	<150	<29
ANTHRACENE	8310	µg/kg	10	-	<98	<20
BENZO(A)ANTHRACENE	8310	µg/kg	5	-	<49	<9.8
BENZO(A)PYRENE	8310	µg/kg	2	-	<20	<3.9
BENZO(B)FLUORANTHENE	8310	µg/kg	5	-	<49	<9.8
BENZO(G,H,I)PERYLENE	8310	µg/kg	5	-	<49	<9.8
CHRYSENE	8310	µg/kg	5	-	<49	<9.8
DIBENZ(A,H)ANTHRACENE	8310	µg/kg	5	-	<49	<9.8
FLUORANTHENE	8310	µg/kg	5	-	<49	<9.8
FLUORENE	8310	µg/kg	5	-	<49	<9.8
INDENO(1,2,3-C,D)PYRENE	8310	µg/kg	5	-	<49	<9.8
NAPHTHALENE	8310	µg/kg	50	-	<490	<98
PHENANTHRENE	8310	µg/kg	5	-	<49	<9.8
PYRENE	8310	µg/kg	2	-	<20	<3.9

Component Analyzed	Method	Unit	PQL	Analysis Result HBPDL602-SO-120 02-01124-5	HBPDL603-SO-121 02-01124-6	HBPDL604-SO-122 02-01124-7
MOISTURE	ASTM-D2216	%Moisture	0.5	35.7	40.4	33.9
PH	9045C	pH unit	0.01	7.77	7.63	7.44
Dilution Factor				1	1	1
ARSENIC	6010B	mg/kg	0.25	12.1	6.0	8.7
BARIUM	6010B	mg/kg	1	114	62.6	55.9
BERYLLIUM	6010B	mg/kg	0.5	0.63J	<0.84	0.65J
BORON,	6010B	mg/kg	20	19.2J	22.8J	15.5J
CADMIUM	6010B	mg/kg	0.3	0.98	0.28J	0.12J
CHROMIUM	6010B	mg/kg	0.5	84.4	71.9	90.2
COBALT	6010B	mg/kg	1	73.6	18.7	44.8
COPPER	6010B	mg/kg	0.5	45.1	32.1	40.8
LEAD	6010B	mg/kg	1	31.5	9.8	18.9
MANGANESE	6010B	mg/kg	1	2,340	509	1,190
MERCURY	7471A	mg/kg	0.2	0.23J	0.13J	0.20J
NICKEL	6010B	mg/kg	2	274	120	168
SILVER	6010B	mg/kg	0.5	0.24J	<0.84	<0.76
VANADIUM	6010B	mg/kg	0.5	73.7	57.2	65.9
ZINC	6010B	mg/kg	1	155	175	135
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	8015B	mg/kg	2.3 (b)	7.9	12	8.8
Dilution Factor				1	1	1
MOTOR OILS	M8015E	mg/kg	10	64	50	61
Dilution Factor				1	1	1
DIBENZOFURAN	8270C	µg/kg	100 (c)	<160	<170	<150

Applied P & Ch Laboratory
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Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBPDL602-SO-120 02-01124-5	HBPDL603-SO-121 02-01124-6	HBPDL604-SO-122 02-01124-7
PAH-SIM						
Dilution Factor				1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	17	<26	<29	<26
ACENAPHTHYLENE	PAH-SIM	µg/kg	17	<26	<29	<26
ANTHRACENE	PAH-SIM	µg/kg	17	<26	<29	<26
BENZO(A)ANTHRACENE	PAH-SIM	µg/kg	17	<26	<29	<26
BENZO(A)PYRENE	PAH-SIM	µg/kg	17	<26	87	<26
BENZO(B)FLUORANTHENE	PAH-SIM	µg/kg	17	<26	<29	<26
BENZO(G,H,I)PERYLENE	PAH-SIM	µg/kg	17	<26	<29	<26
BENZO(K)FLUORANTHENE	PAH-SIM	µg/kg	17	<26	<29	<26
CHRYSENE	PAH-SIM	µg/kg	17	<26	<29	<26
DIBENZ(A,H)ANTHRACENE	PAH-SIM	µg/kg	17	<26	<29	<26
FLUORANTHENE	PAH-SIM	µg/kg	17	<26	<29	<26
FLUORENE	PAH-SIM	µg/kg	17	<26	<29	<26
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	µg/kg	17	<26	<29	<26
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	17	<26	<29	<26
NAPHTHALENE	PAH-SIM	µg/kg	17	<26	<29	<26
PHENANTHRENE	PAH-SIM	µg/kg	17	<26	<29	<26
PYRENE	PAH-SIM	µg/kg	17	<26	<29	<26
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	5
4,4'-DDD	8081A	µg/kg	4	1J	1J	40
4,4'-DDE	8081A	µg/kg	4	2J	<6.7	50
4,4'-DDT	8081A	µg/kg	4	4J	0.9J	160
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				10	10	10
ACENAPHTHENE	8310	µg/kg	15	<230	<250	<230
ANTHRACENE	8310	µg/kg	10	<160	<170	<150
BENZO(A)ANTHRACENE	8310	µg/kg	5	<78	<84	<76
BENZO(A)PYRENE	8310	µg/kg	2	<31	<34	<30
BENZO(B)FLUORANTHENE	8310	µg/kg	5	<78	<84	<76
BENZO(G,H,I)PERYLENE	8310	µg/kg	5	<78	<84	<76
CHRYSENE	8310	µg/kg	5	<78	<84	<76
DIBENZ(A,H)ANTHRACENE	8310	µg/kg	5	<78	<84	<76
FLUORANTHENE	8310	µg/kg	5	<78	<84	<76
FLUORENE	8310	µg/kg	5	<78	<84	<76

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBPDL602-SO-120 02-01124-5	HBPDL603-SO-121 02-01124-6	HBPDL604-SO-122 02-01124-7
INDENO(1,2,3-C,D)PYRENE	8310	μg/kg	5	<78	<84	<76
NAPHTHALENE	8310	μg/kg	50	<780	<840	<760
PHENANTHRENE	8310	μg/kg	5	<78	<84	<76
PYRENE	8310	μg/kg	2	<31	<34	<30

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

(a) Analyzed on an instrument with MDL = 1.2 μg/L for this compound.

(b) MDL reported.

(c) Analyzed on an instrument with MDL = 38 μg/kg for this compound.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 563199
Page 1 of 1

Project Name/No. 1 HAAF/831471
Sample Team Members 2 Scott Elkind
Profit Center No. 3
Project Manager 4 Nora Okuso
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/10/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 2566-2350
Carrier/Waybill No. 13

Bill to: 5 IT Corporation Concord, CA
Report to: 10 Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HBPDL601-SO-118	Soil	1/10/02 1020		2 Sleeves		See Attached Sheet		
HBPDL601-SO-119	Soil	1/10/02 1020		2 Sleeves			FOR LAB USE ONLY	
HBPDL602-SO-120	Soil	1/10/02 1045		4 Sleeves		MS/MSD		
HBPDL603-SO-121	Soil	1/10/02 1125		2 Sleeves			Good Condition	
HBPDL604-SO-122	Soil	1/10/02 1140		2 Sleeves			Temp 4.7°C	
HBPDL605-SO-117	Soil	1/10/02 1250		1 Sleeve		TPH-d, mo	FOR LAB USE ONLY	
			1/10/02					
							1124	

Special Instructions: 23 For 601-604 please take sample to be analyzed from center of sleeve (not from ends).

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 72 hrs

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) IT	Date: 1/10/02 Time: 1335	1. Received by 28 (Signature/Affiliation)	Date: 1/11/2 Time: 0900
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 063196
Page 1 of 1

Project Name/No. 1 HAAF/831471
Sample Team Members 2 Scott Elkind ~~[illegible]~~
Profit Center No. 3
Project Manager 4 Nora Okuso
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/10/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 288-2350
Carrier/Waybill No. 13

Bill to: 5 IT Corporation Concord, CA

Report to: 10 Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
EB2-116	Liquid	1/10/02 0840	Various	–	–	See attached Sheet		
							FOR LAB USE ONLY	
							Good Condition	
							Temp 4.7°C	
							FOR LAB USE ONLY	
							1124	

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 72 hr

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) IT	Date: 1/10/02 Time: 1330	1. Received by 28 (Signature/Affiliation)	Date: 1/11/2 Time: 0900
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Ham 01

Received 2/7/02

February 6, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1185 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Chain of Custody.
(3) One Diskette containing EDD Deliverable.
(4) One original and one copy of Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

for

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021185
Collected by: Scott Elkind/Joe Strack
Collected on: 01/14/02

Received: 01/15/02
Extracted: 01/16/02
Tested: 01/15-18/02
Reported: 01/18/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L606-SO-125 02-01185-1	HB41L607-SO-126 02-01185-2	HB41L607-SO-127 02-01185-3
Moisture	ASTM-D2216	%Moisture	0.5	24.2	43.4	40.9
Dilution Factor				1	1	1
PHC as DIESEL FUEL	8015B	mg/kg	2.3 [a]	23	55	105
MOTOR OILS	8015B	mg/kg	2.7 [a]	57	22	18
Dilution Factor				1	1	1
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	76	<18	<17
Polynuclear Aromatic HC (PAH)						
Dilution Factor				1	1	1
ACENAPHTHENE	8310	µg/kg	15	<20	<26	<25
FLUORANTHENE	8310	µg/kg	5	35	<8.8	<8.5
FLUORENE	8310	µg/kg	5	<6.6	<8.8	<8.5
NAPHTHALENE	8310	µg/kg	50	<66	<88	<85
PHENANTHRENE	8310	µg/kg	5	38	<8.8	<8.5

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L608-SO-128 02-01185-4	HB41L609-SO-129 02-01185-5	HB41L610-SO-130 02-01185-6
Moisture	ASTM-D2216	%Moisture	0.5	41.6	44.1	38.9
Dilution Factor				1	1	5
PHC as DIESEL FUEL	8015B	mg/kg	2.3 [a]	505	59	604
MOTOR OILS	8015B	mg/kg	2.7 [a]	39	23	<22
Dilution Factor				1	1	1
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	18	58	<16
Polynuclear Aromatic HC (PAH)						
Dilution Factor				1	1	1
ACENAPHTHENE	8310	µg/kg	15	<26	<27	<25
FLUORANTHENE	8310	µg/kg	5	<8.6	43	<8.2
FLUORENE	8310	µg/kg	5	<8.6	<8.9	<8.2
NAPHTHALENE	8310	µg/kg	50	<86	<89	<82
PHENANTHRENE	8310	µg/kg	5	<8.6	25	2J

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste PD1-123 02-01185-7	Analysis Result Waste PD2-124 02-01185-8
Moisture	ASTM-D2216	%Moisture	0.5	29.6	31.6
Dilution Factor				1	1
PHC as DIESEL FUEL	8015B	mg/kg	2.3 [a]	<3.3	22
MOTOR OILS	8015B	mg/kg	2.7 [a]	21 [b]	20

Component Analyzed	Method	Unit	PQL	Analysis Result Waste PD1-123 02-01185-7	Analysis Result Waste PD2-124 02-01185-8
Corrosivity (pH)	9040B	pH unit	0.01	6.99	8.33
Ignitability (Flashpoint)	1010	°C	0.5	>100	>100
Reactivity: Cyanide	SW§7.3.3	mg/kg	250	<250	<250
Reactivity: Sulfide	SW§7.3.4	mg/kg	500	<500	<500
Metals					
Dilution Factor				4	4
ALUMINUM	6010B	mg/kg	5	26,000	22,100
ANTIMONY	6010B	mg/kg	5	2.3J	1.9J
ARSENIC	6010B	mg/kg	0.25	9.3	9.3
BARIUM	6010B	mg/kg	1	48.5	44.5
BERYLLIUM	6010B	mg/kg	0.5	0.27J	<2.9
CADMIUM	6010B	mg/kg	0.3	<1.7	0.083J
CALCIUM	6010B	mg/kg	20	3,710	24,500
CHROMIUM	6010B	mg/kg	1	88.4	78.1
COBALT	6010B	mg/kg	1	18.5	17.4
COPPER	6010B	mg/kg	1	35.9	30.0
IRON	6010B	mg/kg	5	40,100	36,900
LEAD	6010B	mg/kg	1	14.6	9.9
MAGNESIUM	6010B	mg/kg	20	11,300	11,100
MANGANESE	6010B	mg/kg	1	467	1,280
Dilution Factor				1	1
MERCURY	7471A	mg/kg	0.1	0.055J	0.21
Dilution Factor				4	4
MOLYBDENUM	6010B	mg/kg	1	<5.7	<5.8
NICKEL	6010B	mg/kg	2	86.8	90.1
POTASSIUM	6010B	mg/kg	20	2,470	2,800
SELENIUM	6010B	mg/kg	1	<5.7	<5.8
SILVER	6010B	mg/kg	1	<5.7	<5.8
SODIUM	6010B	mg/kg	100	758	2,580
THALLIUM	6010B	mg/kg	1	<5.7	<5.8
VANADIUM	6010B	mg/kg	1	67.7	59.8
ZINC	6010B	mg/kg	1	84.1	79.9
Dilution Factor				1	1
PHC as GASOLINE	M8015V	mg/kg	1	<1.4	<1.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste PD1-123 02-01185-7	Analysis Result Waste PD2-124 02-01185-8
SVOC					
Dilution Factor				1	1
ACENAPHTHENE	8270C	µg/kg	330	<470	<480
ACENAPHTHYLENE	8270C	µg/kg	330	<470	<480
ANTHRACENE	8270C	µg/kg	330	<470	<480
BENZOIC ACID	8270C	µg/kg	330	<470	<480
BENZO(A)ANTHRACENE	8270C	µg/kg	330	<470	<480
BENZO(A)PYRENE	8270C	µg/kg	150	<210	<220
BENZO(B)FLUORANTHENE	8270C	µg/kg	150	<210	<220
BENZO(G,H,I)PERYLENE	8270C	µg/kg	150	<210	<220
BENZO(K)FLUORANTHENE	8270C	µg/kg	330	<470	<480
BENZYL ALCOHOL	8270C	µg/kg	330	<470	<480
BIS(2-CHLOROETHOXY) METHANE	8270C	µg/kg	330	<470	<480
BIS(2-CHLOROETHYL) ETHER	8270C	µg/kg	330	<470	<480
BIS(2-CHLOROISOPROPYL) ETHER	8270C	µg/kg	330	<470	<480
BIS(2-ETHYLHEXYL) PHTHALATE	8270C	µg/kg	330	<470	<480
4-BROMOPHENYL PHENYL ETHER	8270C	µg/kg	330	<470	<480
BENZYL BUTYL PHTHALATE	8270C	µg/kg	330	<470	<480
CARBAZOLE	8270C	µg/kg	330	<470	<480
4-CHLORO-3-METHYLPHENOL	8270C	µg/kg	330	<470	<480
4-CHLOROANILINE	8270C	µg/kg	740 [a]	<1100	<1100
2-CHLORONAPHTHALENE	8270C	µg/kg	330	<470	<480
2-CHLOROPHENOL	8270C	µg/kg	330	<470	<480
4-CHLOROPHENYL PHENYL ETHER	8270C	µg/kg	330	<470	<480
CHRYSENE	8270C	µg/kg	150	<210	<220
DI-N-BUTYL PHTHALATE	8270C	µg/kg	330	<470	<480
DI-N-OCTYLPHTHALATE	8270C	µg/kg	330	<470	<480
DIBENZ(A,H)ANTHRACENE	8270C	µg/kg	330	<470	<480
DIBENZOFURAN	8270C	µg/kg	100	<140	<150
1,2-DICHLOROBENZENE	8270C	µg/kg	330	<470	<480
1,3-DICHLOROBENZENE	8270C	µg/kg	330	<470	<480
1,4-DICHLOROBENZENE	8270C	µg/kg	330	<470	<480
3,3'-DICHLOROBENZIDINE	8270C	µg/kg	450 [a]	<640	<660
2,4-DICHLOROPHENOL	8270C	µg/kg	330	<470	<480
DIETHYL PHTHALATE	8270C	µg/kg	330	<470	<480
DIMETHYL PHTHALATE	8270C	µg/kg	330	<470	<480
2,4-DIMETHYLPHENOL	8270C	µg/kg	330	<470	<480
4,6-DINITRO-2-METHYLPHENOL	8270C	µg/kg	1700	<2400	<2400
2,4-DINITROPHENOL	8270C	µg/kg	1700	<2400	<2400
2,4-DINITROTOLUENE	8270C	µg/kg	330	<470	<480
2,6-DINITROTOLUENE	8270C	µg/kg	330	<470	<480
FLUORANTHENE	8270C	µg/kg	330	<470	<480
FLUORENE	8270C	µg/kg	330	<470	<480
HEXACHLOROBENZENE	8270C	µg/kg	330	<470	<480
HEXACHLOROBUTADIENE	8270C	µg/kg	330	<470	<480
HEXACHLOROCYCLOPENTADIENE	8270C	µg/kg	1700	<2400	<2400
HEXACHLOROETHANE	8270C	µg/kg	330	<470	<480
INDENO(1,2,3-C,D)PYRENE	8270C	µg/kg	330	<470	<480

Applied P & Ch Laboratory
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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste PD1-123 02-01185-7	Waste PD2-124 02-01185-8
ISOPHORONE	8270C	µg/kg	330	<470	<480
2-METHYLNAPHTHALENE	8270C	µg/kg	330	<470	<480
3/4-METHYLPHENOL (M/P-CRESOL)	8270C	µg/kg	330	<470	<480
2-METHYLPHENOL (O-CRESOL)	8270C	µg/kg	330	<470	<480
NAPHTHALENE	8270C	µg/kg	330	<470	<480
2-NITROANILINE	8270C	µg/kg	330	<470	<480
3-NITROANILINE	8270C	µg/kg	330	<470	<480
4-NITROANILINE	8270C	µg/kg	330	<470	<480
NITROBENZENE	8270C	µg/kg	330	<470	<480
2-NITROPHENOL	8270C	µg/kg	660	<940	<960
4-NITROPHENOL	8270C	µg/kg	2500	<3500	<3700
PENTACHLOROBENZENE	8270C	µg/kg	330	<470	<480
PENTACHLORONITROBENZENE	8270C	µg/kg	330	<470	<480
PENTACHLOROPHENOL	8270C	µg/kg	1700	<2400	<2400
PHENANTHRENE	8270C	µg/kg	150	<210	<220
PHENOL	8270C	µg/kg	330	<470	<480
PYRENE	8270C	µg/kg	330	<470	<480
PYRIDINE	8270C	µg/kg	330	<470	<480
1,2,4,5-TETRACHLOROBENZENE	8270C	µg/kg	330	<470	<480
2,3,4,6-TETRACHLOROPHENOL	8270C	µg/kg	330	<470	<480
1,2,4-TRICHLOROBENZENE	8270C	µg/kg	330	<470	<480
2,4,5-TRICHLOROPHENOL	8270C	µg/kg	330	<470	<480
2,4,6-TRICHLOROPHENOL	8270C	µg/kg	330	<470	<480
2,6-DIMETHYLPHENOL	8270C	µg/kg	330	<470	<480
3,4-DIMETHYLPHENOL	8270C	µg/kg	330	<470	<480
Organochlorine pesticides					
Dilution Factor				1	1
ALDRIN	SW8081A	µg/kg	2	<2.8	<2.9
BETA BHC	SW8081A	µg/kg	2	<2.8	<2.9
ALPHA BHC	SW8081A	µg/kg	2	<2.8	<2.9
DELTA BHC	SW8081A	µg/kg	2	<2.8	<2.9
GAMMA BHC	SW8081A	µg/kg	2	<2.8	<2.9
ALPHA-CHLORDANE	SW8081A	µg/kg	2	<2.8	<2.9
GAMMA-CHLORDANE	SW8081A	µg/kg	2	<2.8	<2.9
4,4'-DDD	SW8081A	µg/kg	4	5J	1J
4,4'-DDE	SW8081A	µg/kg	4	5J	2J
4,4'-DDT	SW8081A	µg/kg	4	13	4J
DIELDRIN	SW8081A	µg/kg	4	<5.7	<5.8
ALPHA ENDOSULFAN	SW8081A	µg/kg	2	<2.8	<2.9
BETA ENDOSULFAN	SW8081A	µg/kg	4	<5.7	<5.8
ENDOSULFAN SULFATE	SW8081A	µg/kg	4	<5.7	<5.8
ENDRIN	SW8081A	µg/kg	4	<5.7	<5.8
ENDRIN ALDEHYDE	SW8081A	µg/kg	4	<5.7	<5.8
ENDRIN KETONE	SW8081A	µg/kg	4	<5.7	<5.8
HEPTACHLOR	SW8081A	µg/kg	2	<2.8	<2.9
HEPTACHLOR EPOXIDE	SW8081A	µg/kg	2	<2.8	<2.9
METHOXYCHLOR	SW8081A	µg/kg	20	<28	<29
TOXAPHENE	SW8081A	µg/kg	23 [a]	<33	<34

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste PD1-123 02-01185-7	Waste PD2-124 02-01185-8
PCBs					
Dilution Factor				1	1
PCB-1016 (AROCLOR 1016)	8082	μg/kg	100	<140	<150
PCB-1221 (AROCLOR 1221)	8082	μg/kg	100	<140	<150
PCB-1232 (AROCLOR 1232)	8082	μg/kg	100	<140	<150
PCB-1242 (AROCLOR 1242)	8082	μg/kg	100	<140	<150
PCB-1248 (AROCLOR 1248)	8082	μg/kg	100	<140	<150
PCB-1254 (AROCLOR 1254)	8082	μg/kg	50	<71	<73
PCB-1260 (AROCLOR 1260)	8082	μg/kg	50	<71	<73

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

(a) MDL reported.

(b) Unknown mixture in Morot Oil range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 533622
Page 1 of 1

Project Name/No. [1] HAAF/831471
Sample Team Members [2] Scott Elkind / Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 1/14/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 8231 2407 8000

Bill to: [5] IT Corporation Concord, CA
Report to: [10] Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
Westz PD1-123	Soil	1/14/02 1245	2 sleeves 4 Encore	—	—	TPH-dwo, SVOC, Metals, Pest., PCBs, RCI, TPH-g		
Westz PD2-124	Soil	1/14/02 1310	2 sleeves 4 Encore	—	—		FOR LAB USE ONLY	
HB41L606-SO-125	Soil	1-14-02 1440	1 sleeve	—	—	TPH-d + PAH, SVOCs motor oil	Good Condition	
HB41L607-SO-126	Soil	1442	1 sleeve	—	—		Temp 4.3°C	
HB41L607-SO-127	Soil	1443	1 sleeve	—	—	1185	FOR LAB USE ONLY	
HB41L608-SO-128	Soil	1446	1 sleeve	—	—			
HB41L609-SO-129	Soil	1448	1 sleeve	—	—			
HB41L610-SO-130	Soil	1450	1 sleeve	—	—			

Special Instructions: [23] For samples 606 → 610 see attached sheet for specific analytes + analysis

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☒ 72 hr TAT

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by [28] (Signature/Affiliation) IT	Date: 1/14/02 Time: 1630	1. Received by [28] (Signature/Affiliation)	Date: 1/15/02 Time: 0900
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Hamo1

Received 2/13/02

February 11 ,2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway,
Concord CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 801-021397 and your project 831471 Hamilton AFB.
Enclosed please find:

(1) Original Final Report.
(2) Original Chain of Custody.
(3) One Original and one Copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021397 Received: 01/15/02
Collected by: Scott Elkind/Joe Strack Extracted: 01/30-2/1/2
Collected on: 01/14/02 Tested: 02/01-04/02
Reported: 02/05/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result Waste PD1-123 02-01397-1	Waste PD2-124 02-01397-2
Dilution Factor				5	5
STLC Chromium	6010B	μg/L	5	316	222

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

IT INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 503622
Page 1 of 1

Project Name/No. [1] HAAF/831471
Sample Team Members [2] Scott Elkind / Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 1/14/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 8231 2407 8000

Bill to: [5] IT Corporation Concord, CA
Report to: [10] Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
Westz PD1-123	Soil	1/14/02 1245	2 sleeves 4 Encore	—	—	TPH-dmo, SVOC, Metals, Pest., PCBs, RCI, TPH-g	FOR LAB USE ONLY	
Westz PD2-124	Soil	1/14/02 1310	2 sleeves 4 Encore	—	—			
HB41L606-SO-125	Soil	1-14-02 1440	1 sleeve	—	—	TPHd & PAH, SVOCs motor oil	Good Condition	
HB41L607-SO-126	Soil	1442	1 sleeve	—	—		Temp 4.3°C	
HB41L607-SO-127	Soil	1443	1 sleeve	—	—	1185 QC 1/30/02	FOR LAB USE ONLY	
HB41L608-SO-128	Soil	1446	1 sleeve	—	—			
HB41L609-SO-129	Soil	1448	1 sleeve	—	—	1397		
HB41L610-SO-130	Soil	1450	1 sleeve	—	—			

Special Instructions: [23] For samples 606 → 610 see attached sheet for specific analytes + analysis

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☒ 72 hr TAT

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by [28] (Signature/Affiliation) IT	Date: 1/14/02 Time: 1630	1. Received by [28] (Signature/Affiliation)	Date: 1/15/02 Time: 0900
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Ham01

Received 2/8/02

February 06, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1259 and your project Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Oringinal Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021259
Collected by: Scott Elkind/Joe Strack
Collected on: 01/17/02

Received: 01/18/02
Extracted: 01/21/02
Tested: 01/21-24/02
Reported: 01/24/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L611-SO-143 02-01259-1	HB41L612-SO-144 02-01259-2	HB41L613-SO-145 02-01259-3
MOISTURE	ASTM-D2216	%Moisture	0.5	38.4	46.0	38.7

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L614-SO-146 02-01259-4	HBPDL605-SO-142 02-01259-5	HBSFL611-SO-131 02-01259-6
MOISTURE	ASTM-D2216	%Moisture	0.5	45.4	38.0	26.9
Dilution Factor				1	1	1
ARSENIC	SW6010B	mg/kg	0.25	-	9.5	13.8
BERYLLIUM	SW6010B	mg/kg	0.5	-	0.19J	0.29J
CADMIUM	SW6010B	mg/kg	0.3	-	0.15J	0.030J
COBALT	SW6010B	mg/kg	1	-	27.0	16.9
LEAD	SW6010B	mg/kg	1	-	13.4	41.5
MANGANESE	SW6010B	mg/kg	1	-	654	451
NICKEL	SW6010B	mg/kg	2	-	98.8	73.7
ZINC	SW6010B	mg/kg	1	-	101	84.8
Dilution Factor				1	1	1
DIBENZOFURAN	SW8270C	μg/kg	100 [a]	-	<160	<140
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
ALPHA-CHLORDANE	SW8081A	μg/kg	2	-	<3.2	-
GAMMA-CHLORDANE	SW8081A	μg/kg	2	-	<3.2	-
4,4'-DDD	SW8081A	μg/kg	4	-	5J	4J
4,4'-DDE	SW8081A	μg/kg	4	-	3J	6
4,4'-DDT	SW8081A	μg/kg	4	-	5J	23
DIELDRIN	SW8081A	μg/kg	4	-	<6.4	-
ENDOSULFAN SULFATE	SW8081A	μg/kg	4	-	<6.4	-
ENDRIN ALDEHYDE	SW8081A	μg/kg	4	-	<6.4	-

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L614-SO-146 02-01259-4	HBPDL605-SO-142 02-01259-5	HBSFL611-SO-131 02-01259-6
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				1	10	1
ACENAPHTHENE	SW8310	µg/kg	15	-	<240	<21
ANTHRACENE	SW8310	µg/kg	10	-	<160	<14
BENZO(A)ANTHRACENE	SW8310	µg/kg	5	-	<81	4J
BENZO(A)PYRENE	SW8310	µg/kg	2	-	<32	2J
BENZO(B)FLUORANTHENE	SW8310	µg/kg	5	-	<81	<6.8
BENZO(G,H,I)PERYLENE	SW8310	µg/kg	5	-	<81	<6.8
CHRYSENE	SW8310	µg/kg	5	-	<81	0.8J
DIBENZ(A,H)ANTHRACENE	SW8310	µg/kg	5	-	<81	-
FLUORANTHENE	SW8310	µg/kg	5	-	<81	<6.8
FLUORENE	SW8310	µg/kg	5	-	<81	<6.8
INDENO(1,2,3-C,D)PYRENE	SW8310	µg/kg	5	-	<81	<6.8
NAPHTHALENE	SW8310	µg/kg	50	-	<810	-
PHENANTHRENE	SW8310	µg/kg	10	-	<160	<14
PYRENE	SW8310	µg/kg	5	-	<81	<6.8

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL612-SO-132 02-01259-7	HBSFL612-SO-133 02-01259-8	HBSFL613-SO-134 02-01259-9
MOISTURE	ASTM-D2216	%Moisture	0.5	26.9	26.6	27.9
Dilution Factor				1	1	1
ARSENIC	SW6010B	mg/kg	0.25	16.3	15.7	14.4
BERYLLIUM	SW6010B	mg/kg	0.5	0.20J	0.31J	0.30J
CADMIUM	SW6010B	mg/kg	0.3	<0.41	<0.41	<0.42
COBALT	SW6010B	mg/kg	1	16.2	16.1	15.7
LEAD	SW6010B	mg/kg	1	24.7	23.8	20.2
MANGANESE	SW6010B	mg/kg	1	426	417	396
NICKEL	SW6010B	mg/kg	2	73.0	68.5	69.0
ZINC	SW6010B	mg/kg	1	91.9	86.8	76.5
Dilution Factor				1	1	1
DIBENZOFURAN	SW8270C	µg/kg	100 [a]	<140	<140	<140
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
4,4'-DDD	SW8081A	µg/kg	4	<5.5	<5.5	<5.5
4,4'-DDE	SW8081A	µg/kg	4	0.7J	0.8J	0.5J
4,4'-DDT	SW8081A	µg/kg	4	1J	1J	<5.5

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Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL612-SO-132 02-01259-7	HBSFL612-SO-133 02-01259-8	HBSFL613-SO-134 02-01259-9
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				1	1	1
ACENAPHTHENE	SW8310	μg/kg	15	<21	<20	<21
ANTHRACENE	SW8310	μg/kg	10	<14	<14	<14
BENZO(A)ANTHRACENE	SW8310	μg/kg	5	8	9	3J
BENZO(A)PYRENE	SW8310	μg/kg	2	4	4	1J
BENZO(B)FLUORANTHENE	SW8310	μg/kg	5	4J	6J	3J
BENZO(G,H,I)PERYLENE	SW8310	μg/kg	5	<6.8	<6.8	<6.9
CHRYSENE	SW8310	μg/kg	5	3J	3J	0.8J
FLUORANTHENE	SW8310	μg/kg	5	8	8	3J
FLUORENE	SW8310	μg/kg	5	<6.8	<6.8	<6.9
INDENO(1,2,3-C,D)PYRENE	SW8310	μg/kg	5	<6.8	<6.8	<6.9
PHENANTHRENE	SW8310	μg/kg	10	0.9J	2J	<14
PYRENE	SW8310	μg/kg	5	6J	4J	<6.9

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL614-SO-135 02-01259-10	HBSFL615-SO-136 02-01259-11	HBSFL616-SO-137 02-01259-12
MOISTURE	ASTM-D2216	%Moisture	0.5	27.7	29.0	23.0
Dilution Factor				1	1	1
ARSENIC	SW6010B	mg/kg	0.25	10.2	14.0	12.8
BERYLLIUM	SW6010B	mg/kg	0.5	<0.69	0.32J	0.29J
CADMIUM	SW6010B	mg/kg	0.3	<0.41	0.061J	<0.39
COBALT	SW6010B	mg/kg	1	14.5	9.2	17.5
LEAD	SW6010B	mg/kg	1	10.5	11.1	23.6
MANGANESE	SW6010B	mg/kg	1	396	157	433
NICKEL	SW6010B	mg/kg	2	72.8	62.4	78.4
ZINC	SW6010B	mg/kg	1	73.9	76.8	98.1
Dilution Factor				1	1	1
DIBENZOFURAN	SW8270C	μg/kg	100 [a]	<140	<140	<130
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
4,4'-DDD	SW8081A	μg/kg	4	<5.5	<5.6	3J
4,4'-DDE	SW8081A	μg/kg	4	0.7J	0.5J	4J
4,4'-DDT	SW8081A	μg/kg	4	1J	<5.6	12

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL614-SO-135 02-01259-10	HBSFL615-SO-136 02-01259-11	HBSFL616-SO-137 02-01259-12
POLYNUCLEAR AROMATIC HC (PAH)						
Dilution Factor				1	1	1
ACENAPHTHENE	SW8310	μg/kg	15	<21	<21	<19
ANTHRACENE	SW8310	μg/kg	10	<14	<14	<13
BENZO(A)ANTHRACENE	SW8310	μg/kg	5	<6.9	<7.0	3J
BENZO(A)PYRENE	SW8310	μg/kg	2	<2.8	<2.8	1J
BENZO(B)FLUORANTHENE	SW8310	μg/kg	5	<6.9	<7.0	3J
BENZO(G,H,I)PERYLENE	SW8310	μg/kg	5	<6.9	<7.0	<6.5
CHRYSENE	SW8310	μg/kg	5	<6.9	<7.0	<6.5
FLUORANTHENE	SW8310	μg/kg	5	<6.9	<7.0	3J
FLUORENE	SW8310	μg/kg	5	<6.9	<7.0	<6.5
INDENO(1,2,3-C,D)PYRENE	SW8310	μg/kg	5	<6.9	<7.0	<6.5
NAPHTHALENE	SW8310	μg/kg	50	<69	<70	<65
PHENANTHRENE	SW8310	μg/kg	10	0.6J	<14	<13
PYRENE	SW8310	μg/kg	5	<6.9	<7.0	6J

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL617-SO-138 02-01259-13	HBSFL618-SO-139 02-01259-14
MOISTURE	ASTM-D2216	%Moisture	0.5	34.8	24.0
Dilution Factor				1	1
ARSENIC	SW6010B	mg/kg	0.25	10.2	8.8
BERYLLIUM	SW6010B	mg/kg	0.5	<0.77	0.19J
CADMIUM	SW6010B	mg/kg	0.3	0.74	<0.39
COBALT	SW6010B	mg/kg	1	17.9	14.9
LEAD	SW6010B	mg/kg	1	18.5	19.5
MANGANESE	SW6010B	mg/kg	1	519	468
NICKEL	SW6010B	mg/kg	2	90.0	63.5
ZINC	SW6010B	mg/kg	1	87.6	88.8
Dilution Factor				1	1
DIBENZOFURAN	SW8270C	μg/kg	100 [a]	<150	<130
ORGANOCHLORINE PESTICIDES					
Dilution Factor				1	1
4,4'-DDD	SW8081A	μg/kg	4	0.5J	40
4,4'-DDE	SW8081A	μg/kg	4	1J	68
4,4'-DDT	SW8081A	μg/kg	4	<6.1	223 [b]

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL617-SO-138 02-01259-13	HBSFL618-SO-139 02-01259-14
POLYNUCLEAR AROMATIC HC (PAH)					
Dilution Factor				1	1
ACENAPHTHENE	SW8310	µg/kg	15	<23	<20
ANTHRACENE	SW8310	µg/kg	10	<15	<13
BENZO(A)ANTHRACENE	SW8310	µg/kg	5	<7.7	2J
BENZO(A)PYRENE	SW8310	µg/kg	2	<3.1	1J
BENZO(B)FLUORANTHENE	SW8310	µg/kg	5	<7.7	10
BENZO(G,H,I)PERYLENE	SW8310	µg/kg	5	<7.7	<6.6
CHRYSENE	SW8310	µg/kg	5	<7.7	3J
FLUORANTHENE	SW8310	µg/kg	5	<7.7	5J
FLUORENE	SW8310	µg/kg	5	<7.7	<6.6
INDENO(1,2,3-C,D)PYRENE	SW8310	µg/kg	5	<7.7	15
NAPHTHALENE	SW8310	µg/kg	50	<77	<66
PHENANTHRENE	SW8310	µg/kg	10	<15	<13
PYRENE	SW8310	µg/kg	5	<7.7	15

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL619-SO-140 02-01259-15	HBSFL620-SO-141 02-01259-16
MOISTURE	ASTM-D2216	%Moisture	0.5	29.7	28.3
Dilution Factor				1	1
ARSENIC	SW6010B	mg/kg	0.25	10.9	10.1
BERYLLIUM	SW6010B	mg/kg	0.5	0.14J	0.025J
CADMIUM	SW6010B	mg/kg	0.3	0.065J	<0.42
COBALT	SW6010B	mg/kg	1	17.2	14.7
LEAD	SW6010B	mg/kg	1	23.4	12.1
MANGANESE	SW6010B	mg/kg	1	377	413
NICKEL	SW6010B	mg/kg	2	77.1	72.1
ZINC	SW6010B	mg/kg	1	86.0	85.2
Dilution Factor				1	1
DIBENZOFURAN	SW8270C	µg/kg	100 [a]	<140	<140
ORGANOCHLORINE PESTICIDES					
Dilution Factor				1	1
4,4'-DDD	SW8081A	µg/kg	4	29	1J
4,4'-DDE	SW8081A	µg/kg	4	28	5J
4,4'-DDT	SW8081A	µg/kg	4	77	10

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Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL619-SO-140 02-01259-15	Analysis Result HBSFL620-SO-141 02-01259-16
POLYNUCLEAR AROMATIC HC (PAH)					
Dilution Factor				1	1
ACENAPHTHENE	SW8310	μg/kg	15	<21	<21
ANTHRACENE	SW8310	μg/kg	10	<14	<14
BENZO(A)ANTHRACENE	SW8310	μg/kg	5	6J	<7.0
BENZO(A)PYRENE	SW8310	μg/kg	2	3J	<2.8
BENZO(B)FLUORANTHENE	SW8310	μg/kg	5	6J	<7.0
BENZO(G,H,I)PERYLENE	SW8310	μg/kg	5	<7.1	<7.0
CHRYSENE	SW8310	μg/kg	5	4J	<7.0
FLUORANTHENE	SW8310	μg/kg	5	17	<7.0
FLUORENE	SW8310	μg/kg	5	<7.1	<7.0
INDENO(1,2,3-C,D)PYRENE	SW8310	μg/kg	5	<7.1	<7.0
NAPHTHALENE	SW8310	μg/kg	50	<71	<70
PHENANTHRENE	SW8310	μg/kg	10	5J	<14
PYRENE	SW8310	μg/kg	5	7	<7.0

Component Analyzed	Method	Unit	PQL	Analysis Result HBPDL605-SO-142 02-01259-5
Dilution Factor				1
BARIUM	6010B	mg/kg	1	41.0
BORON	6010B	mg/kg	20	16.9J
CHROMIUM	6010B	mg/kg	0.5	85.5
COPPER	6010B	mg/kg	0.5	39.4
MERCURY	7471A	mg/kg	0.2	0.15J
SILVER	6010B	mg/kg	0.5	<0.81
VANADIUM	6010B	mg/kg	0.5	63.2
Dilution Factor				1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.1 (c)	7.4 (d)
Dilution Factor				1
MOTOR OILS	SW8015B	mg/kg	5.5 (c)	10

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Component Analyzed	Method	Unit	PQL	Analysis Result HBPDL605-SO-142 02-01259-5
PAH (NOAA)				
Dilution Factor				1
ACENAPHTHENE	PAH-SIM	μg/kg	10	<16
ANTHRACENE	PAH-SIM	μg/kg	10	<16
BENZO(A)ANTHRACENE	PAH-SIM	μg/kg	10	<16
BENZO(A)PYRENE	PAH-SIM	μg/kg	10	<16
BENZO(B)FLUORANTHENE	PAH-SIM	μg/kg	10	<16
BENZO(G,H,I)PERYLENE	PAH-SIM	μg/kg	10	<16
CHRYSENE	PAH-SIM	μg/kg	10	<16
DIBENZ(A,H)ANTHRACENE	PAH-SIM	μg/kg	10	<16
FLUORANTHENE	PAH-SIM	μg/kg	10	<16
FLUORENE	PAH-SIM	μg/kg	10	<16
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	μg/kg	10	<16
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	10	<16
NAPHTHALENE	PAH-SIM	μg/kg	10	<16
PHENANTHRENE	PAH-SIM	μg/kg	10	<16
PYRENE	PAH-SIM	μg/kg	10	<16

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L611-SO-143 02-01259-1	HB41L612-SO-144 02-01259-2
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.1 (c)	<3.4	<3.9
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	5.5 (c)	18	11

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L613-SO-145 02-01259-3	HB41L614-SO-146 02-01259-4
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.1 (c)	<3.4	<3.8
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	5.5 (c)	<9.0	28

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
(a) Analyzed on an instrument with MDL=38 μg/L for this compound.
(b) Analyzed with a dilution factor of 5.
(c) MDL reported.
(d) Unknown mixture in Diesel range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560139
Page 1 of 2

Project Name/No. [1] HAAF/831471
Sample Team Members [2] Scott Elkind/Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 1/17/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vicky Taylor (925) 256-2350
Carrier/Waybill No. [13]

Bill to: [5] IT Corporation, Concord, CA
Report to: [10] Vicky Taylor

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
HBSFLG11-SO-131	SOIL "SPOILS PILE F"	1-17-02 1015	4oz GLASS JAR	2x9oz	ICE	* SVOCs ~~8270C~~, PAHs ~~8310~~ PESTICIDES ~~8081A~~, METALS		
HBSFLG12-SO-132		1-17-02 1020				*	FOR LAB USE ONLY Good Condition	
HBSFLG12-SO-133		1/17/02 1022				*		
HBSFLG13-SO-134		1/17/02 1025				*	Temp 5.2°C	
HBSFLG14-SO-135		1/17/02 1030				*	1259	
HBSFLG15-SO-136		1/17/02 1035				*	FOR LAB USE ONLY	
HBSFLG16-SO-137		1/17/02 1045				*		
HBSFLG17-SO-138		1/17/02 1055				*		

Special Instructions: [23] * See attached sheet for list of specific analytes (1)

Possible Hazard Identification: [24] Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25] Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26] Normal ☐ Rush ☒ 72 hr TAT except ~~n 605~~ 142 Normal TAT

QC Level: [27] I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation) [signature] IT	Date: 1/17/01 Time: 1515	1. Received by [28] (Signature/Affiliation) [signature]	Date: 1/18/2 Time: 1130
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 139
Page 2 of 2

Project Name HAAF "SpoilsPile F" Project No. 831471 Samples Shipment Date 1-17-02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HBSFL618-SO-139	SOIL "SPF"	1-17-02 1130	2x 4oz GLASS	2x 4oz	ICE	* SVOCs ~~8270~~ PAHs ~~8310~~ PEST. ~~8081A~~, METALS ~~6010B~~ ~~7471A~~		
HBSFL619-SO-140	↓	1/17/02 1140	↓	↓	↓	* ↓	FOR LAB USE ONLY	
HBSFL620-SO-141	↓	1/17/02 1145	↓	↓	↓	* ↓		
HBPDL605-SO-142	Soil "PD"	1/17/02 1300	2x 4oz Glass	2x 4oz	ICE	See Attached Sheet (2). Normal TAT	FOR LAB USE ONLY	
HB41LG11-SO-143	SOIL BLDG 41 N. WALL EXCAV. NW WALL	1-17-02 1452	↓	↓	↓	TPH-d, mo		
HB41LG12-SO-144	SOIL BLDG 41 N WALL EXCAV. BOTTOM	1-17-02 1455	↓	↓	↓	↓	FOR LAB USE ONLY	
HB41LG13-SO-145	SOIL B41 N WALL EXCAV. NE WALL	1-17-02 1456	↓	↓	↓	↓		
HB41LG14-SO-146	SOIL B41 N. WALL EXCAV. SE WALL	1-17-02 1458	↓	↓	↓	↓	FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	

1259

1/17/02

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory 4lam01

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 2/14/02

February 12, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1310 and your project Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Oringinal Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
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APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021310 Received: 01/18/02
Collected by: Scott Elkind/Joe Strack Extracted: 01/23/02
Collected on: 01/17/02 Tested: 01/24/02
Reported: 01/25/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples [a]

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L611-SO-143 02-01310-1	HB41L612-SO-144 02-01310-2
Moisture	ASTM-D2216	%Moisture	0.5	38.4 [b]	46.0 [b]
PAH (NOAA)					
Dilution Factor				1	1
ACENAPHTHENE	PAH-SIM	μg/kg	13 [c]	37	<24
FLUORANTHENE	PAH-SIM	μg/kg	25	<41	<46
FLUORENE	PAH-SIM	μg/kg	8.9 [c]	21	<16
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	11 [c]	<18	<21
NAPHTHALENE	PAH-SIM	μg/kg	25	33J	<46
PHENANTHRENE	PAH-SIM	μg/kg	25	54	<46

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L613-SO-145 02-01310-3	HB41L614-SO-146 02-01310-4
Moisture	ASTM-D2216	%Moisture	0.5	38.7 [b]	45.4 [b]
Dilution Factor				1	1
ACENAPHTHENE	PAH-SIM	μg/kg	13 [c]	<21	<24
FLUORANTHENE	PAH-SIM	μg/kg	25	<41	<46
FLUORENE	PAH-SIM	μg/kg	8.9 [c]	<15	<16
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	11 [c]	<18	<20
NAPHTHALENE	PAH-SIM	μg/kg	25	<41	<46
PHENANTHRENE	PAH-SIM	μg/kg	25	<41	<46

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Additional analysis for 02-1259 requested on 01/23/02.
[b] Result from 02-1259.
[c] MDL reported.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the igroup

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 560139
Page 2 of 2

Project Name HAAF "SpoilsPile F"

Project No. 831471

Samples Shipment Date 1-17-02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HBSFLG18-SO-139	SOIL "SPF"	1-17-02 1130	2x9oz GLASS	2x9oz	ICE	* SVOCs, PAHs, PEST, BOBHA, METALS		
HBSFLG19-SO-140	↓ ↓	1/17/02 1140	↓	↓	↓	* ↓	FOR LAB USE ONLY	
HBSFLG20-SO-141	↓ ↓	1/17/02 1145	↓	↓	↓	* ↓		
HBPDL605-SO-142	Soil "PD"	1/17/02 1300	2x9oz glass	2x9oz	ICE	See Attached Sheet ②. Normal TAT	FOR LAB USE ONLY	
HB41LG11-SO-143	SOIL BLDG 41 N. WALL EXCAV. NW WALL	1-17-02 1452	↓	↓	↓	TPH-d, mo		
HB41LG12-SO-144	SOIL BLDG 41 N WALL EXCAV. BOTTOM	1-17-02 1455	↓	↓	↓	↓	FOR LAB USE ONLY	
HB41LG13-SO-145	SOIL B41 NWALL EXCAV. NE WALL	1-17-02 1456	↓	↓	↓	↓		
HB41LG14-SO-146	SOIL B41 N. WALL EXCAV. SE WALL	1-17-02 1458	↓	↓	↓	↓	FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	

1/23/02

1259

1310

1/17/02

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560139
Page 1 of 2

Project Name/No. 1 HAAF/831471
Sample Team Members 2 Scott Elkind/Joe Strack
Profit Center No. 3
Project Manager 4 Nora Okuso
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/17/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 256-2350
Carrier/Waybill No. 13

Bill to: 5 IT Corporation, Concord, CA
Report to: 10 Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HBSFLG11-SO-130	SOIL "SPOILS PILE F"	1-17-02 1015	9oz GLASS JAR	2x9oz	ICE	* SVOCs ~~8270C~~, PAHs ~~8310~~ PESTICIDES ~~8081A~~, METALS ~~COLOR/MOISTURE~~		
HBSFLG12-SO-132		1-17-02 1020				*	FOR LAB USE ONLY Good Condition	
HBSFLG12-SO-133		1/17/02 1022				*		
HBSFLG13-SO-134		1/17/02 1025				*	Temp 5.2°C	
HBSFLG14-SO-135		1/17/02 1030				*	1259	
HBSFLG15-SO-136		1/17/02 1035				*	FOR LAB USE ONLY	
HBSFLG16-SO-137		1/17/02 1045				*	1310	
HBSFLG17-SO-138		1/17/02 1055				*		

Special Instructions: 23 *See attached sheet for list of specific analytes (1)

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 72 hr TAT except 142 Normal TAT

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) IT	Date: 1/17/01 Time: 1515	1. Received by 28 (Signature/Affiliation)	Date: 1/18/2 Time: 1130
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory Ham01

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 2/15/02 VT

February 11, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1289 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Chain of Custody.
(3) One Diskette containing EDD Deliverable.
(4) One original and one copy of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021289
Collected by: Scott Elkind
Collected on: 01/21/02

Received: 01/22/02
Extracted: 01/23-24/02
Tested: 01/22-25/02
Revised: 01/29/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L615-SO-148 02-01289-1	HB41L616-SO-149 02-01289-2
MOISTURE	ASTM-D2216	%Moisture	0.5	39.1	53.0
PH	9045C	pH unit	0.01	6.65	8.60
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	204	<4.9
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	22	24
PAH (NOAA)					
Dilution Factor				1	1
ACENAPHTHENE	PAH-SIM	μg/kg	13 [a]	<21	<27
FLUORANTHENE	PAH-SIM	μg/kg	25	<41	<53
FLUORENE	PAH-SIM	μg/kg	8.9 [a]	<15	<19
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	11 [a]	<18	<24
NAPHTHALENE	PAH-SIM	μg/kg	25	<41	<53
PHENANTHRENE	PAH-SIM	μg/kg	25	<41	<53
POLYNUCLEAR AROMATIC HC (PAH)					
Dilution Factor				1	10
ACENAPHTHENE	SW8310	μg/kg	15	<25	<320
FLUORANTHENE	SW8310	μg/kg	5	<8.2	<110
FLUORENE	SW8310	μg/kg	5	<8.2	<110
NAPHTHALENE	SW8310	μg/kg	50	<82	<1100
PHENANTHRENE	SW8310	μg/kg	10	<16	<210

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L617-SO-150 02-01289-3	HBSFL621-SO-147 02-01289-4
MOISTURE	ASTM-D2216	%Moisture	0.5	45.2	22.3
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	<4.2	-
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	<4.9	-
PAH (NOAA)					
Dilution Factor				1	1
ACENAPHTHENE	PAH-SIM	μg/kg	13 [a]	<24	-
FLUORANTHENE	PAH-SIM	μg/kg	25	<46	-
FLUORENE	PAH-SIM	μg/kg	8.9 [a]	<16	-
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	11 [a]	<20	-
NAPHTHALENE	PAH-SIM	μg/kg	25	<46	-
PHENANTHRENE	PAH-SIM	μg/kg	25	<46	-

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L617-SO-150 02-01289-3	Analysis Result HBSFL621-SO-147 02-01289-4
POLYNUCLEAR AROMATIC HC (PAH)					
Dilution Factor				1	1
ACENAPHTHENE	SW8310	µg/kg	15	-	<19
ANTHRACENE	SW8310	µg/kg	10	-	<13
BENZO(A)ANTHRACENE	SW8310	µg/kg	5	-	7
BENZO(A)PYRENE	SW8310	µg/kg	2	-	6.0
BENZO(B)FLUORANTHENE	SW8310	µg/kg	5	-	2J
BENZO(G,H,I)PERYLENE	SW8310	µg/kg	5	-	14
CHRYSENE	SW8310	µg/kg	5	-	<6.4
FLUORANTHENE	SW8310	µg/kg	5	-	55
FLUORENE	SW8310	µg/kg	5	-	<6.4
INDENO(1,2,3-C,D)PYRENE	SW8310	µg/kg	5	-	3J
PHENANTHRENE	SW8310	µg/kg	10	-	56
PYRENE	SW8310	µg/kg	5	-	34

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL621-SO-147 02-01289-4
Dilution Factor				1
ARSENIC	SW6010B	mg/kg	0.25	11.1
BERYLLIUM	SW6010B	mg/kg	0.5	0.16J
CADMIUM	SW6010B	mg/kg	0.3	0.039J
COBALT	SW6010B	mg/kg	1	15.3
LEAD	SW6010B	mg/kg	1	26.1
MANGANESE	SW6010B	mg/kg	1	422
NICKEL	SW6010B	mg/kg	2	72.0
ZINC	SW6010B	mg/kg	1	102
Dilution Factor				1
DIBENZOFURAN	SW8270C	µg/kg	100 (b)	<130

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL621-SO-147 02-01289-4
ORGANOCHLORINE PESTICIDES				
Dilution Factor				5
4,4'-DDD	SW8081A	μg/kg	4	210
4,4'-DDE	SW8081A	μg/kg	4	19J
4,4'-DDT	SW8081A	μg/kg	4	93

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

(a) MDL reported.

(b) Analyzed on the instrument with MDL=38 μg/kg for this compound.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 533623
Page 1 of 1

Project Name/No. 1 HAAF/831471
Sample Team Members 2 Scott Elkind
Profit Center No. 3
Project Manager 4 Nora Okuso
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/21/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 288-2250
Carrier/Waybill No. 13 1831904373 Airborne

Bill to: 5 IT Corporation Concord, CA
Report to: 10 Vicky Taylor

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HB41L615-SO-148	Soil	1/21/02 1100	9oz Jar	1x9oz	Ice	TPH-d, mo, SVOC, PAH (see attached sheet) (1)		
HB41L616-SO-149	Soil	1/21/02 1120	↓	↓	↓	↓	FOR LAB USE ONLY	
HB41L617-SO-150	Soil	1/21/02 1145	↓	↓	↓	TPH-d, mo	Good Condition	
HBSFL621-SO-147	Soil	1/21/02 1230	9oz Jar	2x9oz	Ice	SVOCs, PAH, metals, Pest. (see attached sheet) (2)	Temp 4.3°C	
		1/21/02					FOR LAB USE ONLY 1289	

Special Instructions: 23 For samples 148, 149, 147 see attached sheet for specific analytes

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 72 hr. TAT

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) IT	Date: 1/21/02 Time: 1330	1. Received by 28 (Signature/Affiliation)	Date: 1/22/02 Time: 0913
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

MCA 3/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 2/6/02

February 01, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1327 and your project Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Oringinal Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021327
Collected by:
Collected on: 01/23/02

Received: 01/24/02
Extracted: 01/24/02
Tested: 01/24-25/02
Reported: 01/28/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBTPL601-SO-151 02-01327-1	HBTPL602-SO-152 02-01327-2
MOISTURE	ASTM-D2216	%Moisture	0.5	33.1	29.5
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	<3.4	83
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	<4.0	25
PCBS					
Dilution Factor				1	1
PCB-1016 (AROCLOR 1016)	SW8082	μg/kg	100	<150	<140
PCB-1221 (AROCLOR 1221)	SW8082	μg/kg	100	<150	<140
PCB-1232 (AROCLOR 1232)	SW8082	μg/kg	100	<150	<140
PCB-1242 (AROCLOR 1242)	SW8082	μg/kg	100	<150	<140
PCB-1248 (AROCLOR 1248)	SW8082	μg/kg	100	<150	<140
PCB-1254 (AROCLOR 1254)	SW8082	μg/kg	50	<75	<71
PCB-1260 (AROCLOR 1260)	SW8082	μg/kg	50	<75	<71

Component Analyzed	Method	Unit	PQL	Analysis Result HBTPL603-SO-153 02-01327-3	HBTPL604-SO-154 02-01327-4	HBTPL605-SO-155 02-01327-5
MOISTURE	ASTM-D2216	%Moisture	0.5	43.4	38.3	32.0
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	<4.1	<3.7	<3.4
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	<4.8	<4.4	4.9 [b]

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBTPL603-SO-153 02-01327-3	HBTPL604-SO-154 02-01327-4	HBTPL605-SO-155 02-01327-5
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	SW8082	μg/kg	100	<180	<160	<150
PCB-1221 (AROCLOR 1221)	SW8082	μg/kg	100	<180	<160	<150
PCB-1232 (AROCLOR 1232)	SW8082	μg/kg	100	<180	<160	<150
PCB-1242 (AROCLOR 1242)	SW8082	μg/kg	100	<180	<160	<150
PCB-1248 (AROCLOR 1248)	SW8082	μg/kg	100	<180	<160	<150
PCB-1254 (AROCLOR 1254)	SW8082	μg/kg	50	<88	<81	<74
PCB-1260 (AROCLOR 1260)	SW8082	μg/kg	50	<88	<81	<74

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

(a) MDL reported.

(b) Unknown mixture in Motor Oil range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the igroup

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560149
Page 1 of 2

Project Name/No. 1 HAAF / 831471
Sample Team Members 2
Profit Center No. 3
Project Manager 4 Mark Okusu
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/23/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 288-2360
Carrier/Waybill No. 13 2567661563 Airborne

Bill to: 5 IT Corporation Concord, CA
Report to: 10 Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HBTPL601-SO-151	SOIL B41T PAD EXC. SOUTH WALL	1-23-01 1115	2"x6" S.S. SLEEVE	1 SLEEVE	ICE	TPHd, motor oil (8015B) PCBs (8082)	(72hr TAT)	
HBTPL602-SO-152	SOIL B41T EXCAV. EAST WALL	1120						
HBTPL603-SO-153	SOIL B41T EXCAV BOTTOM	1125						
HBTPL604-SO-154	SOIL B41T EXCAV. NORTH WALL	1130						
HBTPL605-SO-155	SOIL B41T EXC. WEST WALL	1135						
HB41L618-SO-156	SOIL B41 So. Excav. W. CORNER OF SOUTH WALL	1200				TPH diesel, motor oil (8015B)	(24hr TAT)	
HB41L619-SO-157	SOIL B41 So. EXCAV. E. CORNER OF SOUTH WALL	1205						
HB41L620-SO-158	SOIL B41 So. EXCAV. BOTTOM (WEST)	1225						

1327

FOR LAB USE ONLY

FOR LAB USE ONLY

Special Instructions: 23 24hr TAT 156-162, 72hr TAT 151-155.

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ (See above) 24hr TAT 156-162 72hr TAT 151-155

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) IT	Date: 1/23/02 Time: 1500	1. Received by 28 (Signature/Affiliation)	Date: 1/24/2 Time: 1000
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

the igroup

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 360149
Page 2 of 2

Project Name HAAF

Project No. 831471

Samples Shipment Date 1/23/02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HB41L620-SO-159	SOIL B41 So. EXCAV. BOTTOM (WEST)	1-23-02 1225	2"x6" SS. SLEEVE	1 SLEEVE	ICE	TPH-diesel, motor oil 8015B	(24hr TAT)	
HB41L621-SO-160	SOIL B41 So. EXCAV. BOTTOM (EAST)	1/23/02 1235	↓	↓	↓	↓	↓	
HB41L622-SO-161	SOIL B41 So. EXCAV EAST WALL	1/23/02 1300	↓	↓	↓	↓	↓	
HB41L623-SO-162	SOIL B41 So. EXCAV. E. CORNER OF NORTH WALL	1/23/02 1315	↓	↓	↓	↓	↓	

1327

1/23/02

FOR LAB USE ONLY

FOR LAB USE ONLY

FOR LAB USE ONLY

FOR LAB USE ONLY

FOR LAB USE ONLY

FOR LAB USE ONLY

FOR LAB USE ONLY

FOR LAB USE ONLY

White: To accompany samples

Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory Hamon

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

February 05, 2002

Received 2/11/02

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1323 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Chain of Custody.
(3) One Diskette containing EDD Deliverable.
(4) One original and one copy of Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021323
Collected by:
Collected on: 01/23/02

Received: 01/24/02
Extracted: 01/24/02
Tested: 01/24-25/02
Reported: 01/25/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L618-SO-156 02-01323-1	HB41L619-SO-157 02-01323-2	HB41L620-SO-158 02-01323-3
MOISTURE	ASTM-D2216	%Moisture	0.5	28.8	33.9	38.6
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	7.5	6.1	<3.7
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	27	15 [b]	10 [b]

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L620-SO-159 02-01323-4	HB41L621-SO-160 02-01323-5
MOISTURE	ASTM-D2216	%Moisture	0.5	38.9	45.2
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	<3.8	<4.2
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	7.3 [b]	24 [b]

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L622-SO-161 02-01323-6	HB41L623-SO-162 02-01323-7
MOISTURE	ASTM-D2216	%Moisture	0.5	41.2	29.8
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	1J	1J
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	12 [b]	13 [b]

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] MDL reported.
[b] Unknown mixture in Motor Oil range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560149
Page 1 of 2

Project Name/No. [1] HAAF / 831471
Sample Team Members [2]
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 1/23/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 2567661563 Airborne

Bill to: [5] IT Corporation Concord, CA
Report to: [10] Vicky Taylor

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
HBTPL601-SO-151	SOIL B41T PAD EXC. SOUTH WALL	1-23-01 1115	2"x6" S.S. SLEEVE	1 SLEEVE	ICE	TPHd, mot. oil (8015B) PCBs (8082)	(72hr TAT)	
HBTPL602-SO-152	SOIL B41T EXCAV. EAST WALL	1120						
HBTPL603-SO-153	SOIL B41T EXCAV BOTTOM	1125						
HBTPL604-SO-154	SOIL B41T EXCAV. NORTH WALL	1130						
HBTPL605-SO-155	SOIL B41T EXC. WEST WALL	1135						
HB41L618-SO-156	SOIL B41 So. Excav. W. CORNER OF SOUTH WALL	1200				TPH diesel, motor oil (8015B)	(24hr TAT)	
HB41L619-SO-157	SOIL B41 So. EXCAV. E. CORNER OF SOUTH WALL	1205						
HB41L620-SO-158	SOIL B41 So. EXCAV. BOTTOM (WEST)	1225						

1323

FOR LAB USE ONLY
Good Condition
Temp 4.3°C

FOR LAB USE ONLY

Special Instructions: [23] 24hr TAT 156-162, 72hr TAT 151-155.

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☒ (See above) 24hr TAT 156-162 72hr TAT 151-155

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by [28] (Signature/Affiliation) IT	Date: 1/23/02 Time: 1500	1. Received by [28] (Signature/Affiliation)	Date: 1/24/2 Time: 1000
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 50149
Page 2 of 2

Project Name HAAF

Project No. 831471

Samples Shipment Date 1/23/02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HB41L620-SO-159	SOIL B41 So. EXCAV. BOTTOM (WEST)	1-23-02 1225	2"x6" SS. SLEEVE	1 SLEEVE	ICE	TPH diesel, motor oil 8015B	(24hr TAT)	
HB41L621-SO-160	SOIL B41 So. EXCAV. BOTTOM (EAST)	1/23/02 1235	↓	↓	↓	↓	↓	FOR LAB USE ONLY
HB41L622-SO-161	SOIL B41 So. EXCAV. EAST WALL	1/23/02 1300	↓	↓	↓	↓	↓	FOR LAB USE ONLY
HB41L623-SO-162	SOIL B41 So. EXCAV. E. CORNER OF NORTH WALL	1/23/02 1315	↓	↓	↓	↓	↓	FOR LAB USE ONLY
								FOR LAB USE ONLY
						1323		FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY

1/23/02

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

Hamo1

February 6, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1342 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Oringinal Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021342
Collected by:
Collected on: 01/24/02

Received: 01/25/02
Extracted: N/A
Tested: 01/28/02
Reported: 01/28/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBTPL601-SO-163 02-01342-1	HBTPL602-SO-164 02-01342-2
Moisture	ASTM-D2216	%Moisture	0.5	32.7	33.5
Dilution Factor				1.07	1.02
PHC as GASOLINE	SW8015B	mg/kg	1	0.01J	0.01J

Component Analyzed	Method	Unit	PQL	Analysis Result HBTPL603-SO-165 02-01342-3	HBTPL604-SO-166 02-01342-4	HBTPL605-SO-167 02-01342-5
Moisture	ASTM-D2216	%Moisture	0.5	41.5	34.1	31.4
Dilution Factor				1.28	1.17	1.11
PHC as GASOLINE	SW8015B	mg/kg	1	<2.2	<1.8	0.01J

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Project Name/No. 1 HAAF/831471
Sample Team Members 2
Profit Center No. 3
Project Manager 4 Nora Okusu
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/24/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 288-2350
Carrier/Waybill No. 13 2567661666 Airborne

Bill to: 5 IT Corporation Concord, CA
Report to: 10 Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HBTPL601 or ~~HBTPL601~~-SO-163	Soil	1/24/02 1310	Encore	3x Enc	Ice	TPH-g	FOR LAB USE ONLY Good Condition Temp 4°C	
HBTPL602-SO-164	Soil	1/24/02 1315	↓	↓	↓	↓		
HBTPL603-SO-165	Soil	1/24/02 1320						
HBTPL604-SO-166	Soil	1/24/02 1325						
HBTPL605-SO-167	Soil	1/24/02 1330	↓	↓	↓	↓	FOR LAB USE ONLY 1342	

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 24 72 hr TAT

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by 28 (Signature/Affiliation) ILT	Date: 1/24/02 Time: 1500	1. Received by 28 (Signature/Affiliation)	Date: 1/25/2 Time: 1000
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory Ham01

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

Received 2/6/02

February 5, 2002

International Technology
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1351 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) One copy of Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021351
Collected by:
Collected on: 01/24/02

Received: 01/25/02
Extracted: 01/25/02
Tested: 01/25-29/02
Reported: 01/31/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L624-SO-168 02-01351-1
Moisture	ASTM-D2216	%Moisture	0.5	34.1
Dilution Factor				1
PHC as DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	25
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	39

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] MDL reported.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 00144
Page 1 of 1

Project Name/No. [1] HAAF/831471
Sample Team Members [2]
Profit Center No. [3]
Project Manager [4] Nora Okuso
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 1/24/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Y. Lee
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 256 7661666 Airborne

Bill to: [5] IT Corporation Concord, CA

Report to: [10] Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
HB4LL624-S0-168	Soil	1/24/02 1440	SS Sleeve	1X Sleeve	Ice	TPH-d, mo		

FOR LAB USE ONLY

1351

FOR LAB USE ONLY

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☒ 24hr TAT

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation) IT	Date: 1/24/02 Time: 1500	1. Received by [28] (Signature/Affiliation)	Date: 1/25/02 Time: 1000
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Ham 01

Received 2/13

February 11,2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway,
Concord CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 801-021375 and your project 831471 Hamilton AFB.
Enclosed please find:

(1) Original Final Report.
(2) Original Chain of Custody.
(3) One Original and one Copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

sample 170
PAHs cancelled.
per Scott Elkind.
2/28/02

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021375
Collected by: Hugh Ashley
Collected on: 01/26-27/02

Received: 01/29/02
Extracted: 01/31/02
Tested: 01/29-31/02
Reported: 02/04/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HB41L625-SO-169 02-01375-1
Moisture	ASTM-D2216	%Moisture	0.5	36.1
Dilution Factor				1
PHC as DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	159
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	24

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] MDL reported.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560146
Page 1 of 1

Project Name/No. 1 HAAF/831471
Sample Team Members 2 HUGH ASHLEY
Profit Center No. 3
Project Manager 4 Nora Okusu
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 1/28/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925)258-2350
Carrier/Waybill No. 13 1831904572 Airborne

Bill to: 5 IT Corporation Concord, CA
Report to: 10 Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
HB41L625-50-169	SOIL/ North End OF 2ND "L" OVEREXCAVATION	01/26/02 1305	2" ϕx6" SS TUBE	~ 18 cubic in.	NONE	TPH-D, mo		
HB41L626-50-170	SOIL/ NORTH SIDE OF BLDG. 41 WEST END OF TRENCH	01/27/02 1330	2"ϕx6" SS TUBE	~ 18 in³	NONE	TPH-D, -mo, PAHs	Good Condition Temp 4°C	

FOR LAB USE ONLY

1/28/02

FOR LAB USE ONLY

1375

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☒ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☒ Rush ☐

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) Hugh J. Ashley USACE-SACRAMENTO DISTRICT	Date: 01-28-02 Time: 1115	1. Received by 28 (Signature/Affiliation)	Date: 01-28-02 Time:
2. Relinquished by (Signature/Affiliation) IT	Date: 1/28/02 Time: 1115	2. Received by (Signature/Affiliation)	Date: 1/29/2 Time: 1015
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory Ham 01

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

Received 3/1/02 VT

February 27, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1697 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Chain of Custody.
(3) One Diskette containing EDD Deliverable.
(4) One original and one copy of Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021509 Received: 02/06/02
Collected by: Scott Elkind/Joe Strack Extracted: 02/08/02
Collected on: 02/05/02 Tested: 02/06-14/02
Reported: 02/15/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1	Waste P1-172 02-01509-2	Waste P1-173 02-01509-3
MOISTURE	ASTM-D2216	%Moisture	0.5	29.6	29.9	28.7
PH	9045C	pH unit	0.01	6.02	-	-
VOLATILE ORGANICS						
Dilution Factor				1	1.03	1
ACETONE	SW8260B	μg/kg	50	-	<73	<70
BENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOCHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMODICHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOFORM	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
2-BUTANONE	SW8260B	μg/kg	50	-	<73	<70
N-BUTYLBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
SEC-BUTYLBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
T-BUTYLBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
CARBON DISULFIDE	SW8260B	μg/kg	10	-	<15	<14
CARBON TETRACHLORIDE	SW8260B	μg/kg	5	-	<7.3	<7.0
CHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
DIBROMOCHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
CHLOROETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
2-CHLOROETHYL VINTL ETHER	SW8260B	μg/kg	20	-	<29	<28
CHLOROFORM	SW8260B	μg/kg	5	-	1J	0.8J
CHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
2-CHLOROTOLUENE	SW8260B	μg/kg	5	-	<7.3	<7.0
4-CHLOROTOLUENE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	μg/kg	10	-	<15	<14
1,2-DIBROMOETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
DIBROMOMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,2-DICHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,3-DICHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,4-DICHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
DICHLORODIFLUOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,1-DICHLOROETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1	Waste P1-172 02-01509-2	Waste P1-173 02-01509-3
1,2-DICHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1-DICHLOROETHENE	SW8260B	µg/kg	5	-	<7.3	<7.0
CIS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	-	<7.3	<7.0
TRANS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2-DICHLOROPROPANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,3-DICHLOROPROPANE	SW8260B	µg/kg	5	-	<7.3	<7.0
2,2-DICHLOROPROPANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1-DICHLOROPROPENE	SW8260B	µg/kg	5	-	<7.3	<7.0
CIS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	-	<7.3	<7.0
TRANS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	-	<7.3	<7.0
ETHYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
HEXACHLOROBUTADIENE	SW8260B	µg/kg	5	-	<7.3	<7.0
2-HEXANONE	SW8260B	µg/kg	10	-	2J	<14
ISOPROPYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
P-ISOPROPYLTOLUENE	SW8260B	µg/kg	5	-	<7.3	<7.0
METHYLENE CHLORIDE	SW8260B	µg/kg	10	-	1J	0.8J
4-METHYL-2-PENTANONE	SW8260B	µg/kg	10	-	<15	<14
METHYL TERT-BUTYL ETHER	SW8260B	µg/kg	5	-	<7.3	<7.0
N-PROPYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
STYRENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1,1,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1,2,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
TETRACHLOROETHYLENE(PCE)	SW8260B	µg/kg	5	-	<7.3	<7.0
TOLUENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2,3-TRICHLOROBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2,4-TRICHLOROBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1,1-TRICHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1,2-TRICHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
TRICHLOROETHYLENE (TCE)	SW8260B	µg/kg	5	-	<7.3	<7.0
TRICHLOROFLUOROMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2,3-TRICHLOROPROPANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2,4-TRIMETHYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,3,5-TRIMETHYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1,2-TRICHLOROTRIFLUOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
VINYL ACETATE	SW8260B	µg/kg	5	-	<7.3	<7.0
VINYL CHLORIDE	SW8260B	µg/kg	5	-	<7.3	<7.0
O-XYLENE	SW8260B	µg/kg	5	-	<7.3	<7.0
M,P-XYLENE	SW8260B	µg/kg	5	-	<7.3	<7.0

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Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1	Waste P1-172 02-01509-2	Waste P1-173 02-01509-3
SEMI-VOC, 64 COMPOUNDS						
Dilution Factor				1	1	1
ACENAPHTHENE	SW8270C	μg/kg	330	-	<470	<460
ACENAPHTHYLENE	SW8270C	μg/kg	330	-	<470	<460
ANTHRACENE	SW8270C	μg/kg	330	-	<470	<460
BENZO(A)ANTHRACENE	SW8270C	μg/kg	330	-	<470	<460
BENZO(A)PYRENE	SW8270C	μg/kg	150	-	<210	<210
BENZO(B)FLUORANTHENE	SW8270C	μg/kg	150	-	<210	<210
BENZO(G,H,I)PERYLENE	SW8270C	μg/kg	150	-	<210	<210
BENZO(K)FLUORANTHENE	SW8270C	μg/kg	330	-	<470	<460
BENZOIC ACID	SW8270C	μg/kg	330	-	<470	<460
BENZYL ALCOHOL	SW8270C	μg/kg	330	-	<470	<460
BIS(2-CHLOROETHOXY) METHANE	SW8270C	μg/kg	330	-	<470	<460
BIS(2-CHLOROETHYL) ETHER	SW8270C	μg/kg	330	-	<470	<460
BIS(2-CHLOROISOPROPYL) ETHER	SW8270C	μg/kg	330	-	<470	<460
BIS(2-ETHYLHEXYL) PHTHALATE	SW8270C	μg/kg	330	-	<470	990
4-BROMOPHENYL PHENYL ETHER	SW8270C	μg/kg	330	-	<470	<460
BENZYL BUTYL PHTHALATE	SW8270C	μg/kg	330	-	<470	<460
CARBAZOLE	SW8270C	μg/kg	330	-	<470	<460
4-CHLORO-3-METHYLPHENOL	SW8270C	μg/kg	330	-	<470	<460
4-CHLOROANILINE	SW8270C	μg/kg	740 [a]	-	<1100	<1000
2-CHLORONAPHTHALENE	SW8270C	μg/kg	330	-	<470	<460
2-CHLOROPHENOL	SW8270C	μg/kg	330	-	<470	<460
4-CHLOROPHENYL PHENYL ETHER	SW8270C	μg/kg	330	-	<470	<460
CHRYSENE	SW8270C	μg/kg	150	-	<210	<210
DI-N-BUTYL PHTHALATE	SW8270C	μg/kg	330	-	<470	<460
DI-N-OCTYLPHTHALATE	SW8270C	μg/kg	330	-	<470	<460
DIBENZ(A,H)ANTHRACENE	SW8270C	μg/kg	330	-	<470	<460
DIBENZOFURAN	SW8270C	μg/kg	100 [b]	<140	<140	<140
1,2-DICHLOROBENZENE	SW8270C	μg/kg	330	-	<470	<460
1,3-DICHLOROBENZENE	SW8270C	μg/kg	330	-	<470	<460
1,4-DICHLOROBENZENE	SW8270C	μg/kg	330	-	<470	<460
3,3'-DICHLOROBENZIDINE	SW8270C	μg/kg	450 [a]	-	<640	<630
2,4-DICHLOROPHENOL	SW8270C	μg/kg	330	-	<470	<460
DIETHYL PHTHALATE	SW8270C	μg/kg	330	-	<470	<460
DIMETHYL PHTHALATE	SW8270C	μg/kg	330	-	<470	<460
2,4-DIMETHYLPHENOL	SW8270C	μg/kg	330	-	<470	<460
2,6-DIMETHYLPHENOL	SW8270C	μg/kg	330	-	<470	<460
3,4-DIMETHYLPHENOL	SW8270C	μg/kg	330	-	<470	<460
4,6-DINITRO-2-METHYLPHENOL	SW8270C	μg/kg	1700	-	<2400	<2300
2,4-DINITROPHENOL	SW8270C	μg/kg	1700	-	<2400	<2300
2,4-DINITROTOLUENE	SW8270C	μg/kg	330	-	<470	<460
2,6-DINITROTOLUENE	SW8270C	μg/kg	330	-	<470	<460
FLUORANTHENE	SW8270C	μg/kg	330	-	<470	<460
FLUORENE	SW8270C	μg/kg	330	-	<470	<460
HEXACHLOROBENZENE	SW8270C	μg/kg	330	-	<470	<460
HEXACHLOROBUTADIENE	SW8270C	μg/kg	330	-	<470	<460
HEXACHLOROCYCLOPENTADIENE	SW8270C	μg/kg	1700	-	<2400	<2300

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Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1	Waste P1-172 02-01509-2	Waste P1-173 02-01509-3
HEXACHLOROETHANE	SW8270C	µg/kg	330	-	<470	<460
INDENO(1,2,3-C,D)PYRENE	SW8270C	µg/kg	330	-	<470	<460
ISOPHORONE	SW8270C	µg/kg	330	-	<470	<460
2-METHYLNAPHTHALENE	SW8270C	µg/kg	330	-	<470	<460
2-METHYLPHENOL (O-CRESOL)	SW8270C	µg/kg	330	-	<470	<460
3-METHYLPHENOL	SW8270C	µg/kg	330	-	<470	<460
4-METHYLPHENOL	SW8270C	µg/kg	330	-	<470	<460
NAPHTHALENE	SW8270C	µg/kg	330	-	<470	<460
2-NITROANILINE	SW8270C	µg/kg	330	-	<470	<460
3-NITROANILINE	SW8270C	µg/kg	330	-	<470	<460
4-NITROANILINE	SW8270C	µg/kg	330	-	<470	<460
NITROBENZENE	SW8270C	µg/kg	330	-	<470	<460
2-NITROPHENOL	SW8270C	µg/kg	660	-	<940	<930
4-NITROPHENOL	SW8270C	µg/kg	330	-	<470	<460
PENTACHLOROPHENOL	SW8270C	µg/kg	1700	-	<2400	<2300
PHENANTHRENE	SW8270C	µg/kg	150	-	<210	<210
PHENOL	SW8270C	µg/kg	330	-	<470	<460
PYRENE	SW8270C	µg/kg	330	-	<470	<460
PENTACHLOROBENZENE	SW8270C	µg/kg	1700	-	<2400	<2300
PENTACHLORONITROBENZENE	SW8270C	µg/kg	1700	-	<2400	<2300
PYRIDINE	SW8270C	µg/kg	660	-	<940	<930
1,2,4,5-TETRACHLOROBENZENE	SW8270C	µg/kg	330	-	<470	<460
2,3,4,6-TETRACHLOROPHENOL	SW8270C	µg/kg	330	-	<470	<460
1,2,4-TRICHLOROBENZENE	SW8270C	µg/kg	330	-	<470	<460
2,4,5-TRICHLOROPHENOL	SW8270C	µg/kg	330	-	<470	<460
2,4,6-TRICHLOROPHENOL	SW8270C	µg/kg	330	-	<470	<460
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	5	5
ALDRIN	SW8081A	µg/kg	2	-	<14	<14
BETA BHC	SW8081A	µg/kg	2	-	<14	<14
ALPHA BHC	SW8081A	µg/kg	2	-	<14	<14
DELTA BHC	SW8081A	µg/kg	2	-	<14	<14
GAMMA BHC (LINDANE)	SW8081A	µg/kg	2	-	<14	<14
ALPHA-CHLORDANE	SW8081A	µg/kg	2	-	<14	3J
GAMMA-CHLORDANE	SW8081A	µg/kg	2	-	<14	4J
4,4'-DDD	SW8081A	µg/kg	4	0.6J	40	58
4,4'-DDE	SW8081A	µg/kg	4	1J	40	60
4,4'-DDT	SW8081A	µg/kg	4	2J	100	120
DIELDRIN	SW8081A	µg/kg	4	-	<29	<28
ALPHA ENDOSULFAN	SW8081A	µg/kg	2	-	<14	<14
BETA ENDOSULFAN	SW8081A	µg/kg	4	-	<29	<28
ENDOSULFAN SULFATE	SW8081A	µg/kg	4	-	<29	<28
ENDRIN	SW8081A	µg/kg	4	-	<29	<28
ENDRIN ALDEHYDE	SW8081A	µg/kg	4	-	<29	<28
ENDRIN KETONE	SW8081A	µg/kg	4	-	<29	<28
HEPTACHLOR	SW8081A	µg/kg	2	-	<14	<14
HEPTACHLOR EPOXIDE	SW8081A	µg/kg	2	-	<14	<14
METHOXYCHLOR	SW8081A	µg/kg	20	-	<140	<140
TOXAPHENE	SW8081A	µg/kg	23 [a]	-	<160	<160

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Component Analyzed	Method	Unit	PQL	Analysis Result Waste P1-174 02-01509-4	Waste P2-175 02-01509-5	Waste P2-176 02-01509-6
MOISTURE	ASTM-D2216	%Moisture	0.5	35.4	42.2	26.9
VOLATILE ORGANICS						
Dilution Factor				1.18	1.25	1.87
ACETONE	SW8260B	µg/kg	50	<91	<110	<130
BENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
BROMOBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
BROMOCHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
BROMODICHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
BROMOFORM	SW8260B	µg/kg	5	<9.1	<11	<13
BROMOMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
2-BUTANONE	SW8260B	µg/kg	50	<91	<110	<130
N-BUTYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
SEC-BUTYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
T-BUTYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
CARBON DISULFIDE	SW8260B	µg/kg	10	<18	6J	<26
CARBON TETRACHLORIDE	SW8260B	µg/kg	5	<9.1	<11	<13
CHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
DIBROMOCHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
CHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
2-CHLOROETHYL VINTL ETHER	SW8260B	µg/kg	20	<37	<43	<51
CHLOROFORM	SW8260B	µg/kg	5	<9.1	2J	1J
CHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
2-CHLOROTOLUENE	SW8260B	µg/kg	5	<9.1	<11	<13
4-CHLOROTOLUENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	µg/kg	10	<18	<22	<26
1,2-DIBROMOETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
DIBROMOMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2-DICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,3-DICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,4-DICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
DICHLORODIFLUOROMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1-DICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2-DICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1-DICHLOROETHENE	SW8260B	µg/kg	5	<9.1	<11	<13
CIS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<9.1	<11	<13
TRANS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,3-DICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<11	<13
2,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1-DICHLOROPROPENE	SW8260B	µg/kg	5	<9.1	<11	<13
CIS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<9.1	<11	<13

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Component Analyzed	Method	Unit	PQL	Analysis Result Waste P1-174 02-01509-4	Waste P2-175 02-01509-5	Waste P2-176 02-01509-6
TRANS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<9.1	<11	<13
ETHYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
HEXACHLOROBUTADIENE	SW8260B	µg/kg	5	<9.1	<11	<13
2-HEXANONE	SW8260B	µg/kg	10	<18	<22	<26
ISOPROPYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
P-ISOPROPYLTOLUENE	SW8260B	µg/kg	5	<9.1	<11	3J
METHYLENE CHLORIDE	SW8260B	µg/kg	10	1J	2J	2J
4-METHYL-2-PENTANONE	SW8260B	µg/kg	10	<18	<22	<26
METHYL TERT-BUTYL ETHER	SW8260B	µg/kg	5	<9.1	<11	<13
N-PROPYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
STYRENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1,1,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1,2,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
TETRACHLOROETHYLENE(PCE)	SW8260B	µg/kg	5	<9.1	<11	<13
TOLUENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2,3-TRICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2,4-TRICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1,1-TRICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1,2-TRICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
TRICHLOROETHYLENE (TCE)	SW8260B	µg/kg	5	<9.1	<11	<13
TRICHLOROFLUOROMETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2,3-TRICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<11	<13
1,2,4-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,3,5-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<9.1	<11	<13
1,1,2-TRICHLOROTRIFLUOROETHANE	SW8260B	µg/kg	5	<9.1	<11	<13
VINYL ACETATE	SW8260B	µg/kg	5	<9.1	<11	<13
VINYL CHLORIDE	SW8260B	µg/kg	5	<9.1	<11	<13
O-XYLENE	SW8260B	µg/kg	5	<9.1	<11	<13
M,P-XYLENE	SW8260B	µg/kg	5	<9.1	<11	<13
SEMI-VOC, 64 COMPOUNDS						
Dilution Factor				1	1	1
ACENAPHTHENE	SW8270C	µg/kg	330	<510	<570	<450
ACENAPHTHYLENE	SW8270C	µg/kg	330	<510	<570	<450
ANTHRACENE	SW8270C	µg/kg	330	<510	<570	<450
BENZO(A)ANTHRACENE	SW8270C	µg/kg	330	<510	<570	<450
BENZO(A)PYRENE	SW8270C	µg/kg	150	<230	<260	<210
BENZO(B)FLUORANTHENE	SW8270C	µg/kg	150	<230	<260	<210
BENZO(G,H,I)PERYLENE	SW8270C	µg/kg	150	<230	<260	<210
BENZO(K)FLUORANTHENE	SW8270C	µg/kg	330	<510	<570	<450
BENZOIC ACID	SW8270C	µg/kg	330	<510	<570	<450
BENZYL ALCOHOL	SW8270C	µg/kg	330	<510	<570	<450
BIS(2-CHLOROETHOXY) METHANE	SW8270C	µg/kg	330	<510	<570	<450
BIS(2-CHLOROETHYL) ETHER (2-CH	SW8270C	µg/kg	330	<510	<570	<450
BIS(2-CHLOROISOPROPYL) ETHER	SW8270C	µg/kg	330	<510	<570	<450
BIS(2-ETHYLHEXYL) PHTHALATE	SW8270C	µg/kg	330	<510	1,900	<450
4-BROMOPHENYL PHENYL ETHER	SW8270C	µg/kg	330	<510	<570	<450
BENZYL BUTYL PHTHALATE	SW8270C	µg/kg	330	<510	<570	<450
CARBAZOLE	SW8270C	µg/kg	330	<510	<570	<450
4-CHLORO-3-METHYLPHENOL	SW8270C	µg/kg	330	<510	<570	<450
4-CHLOROANILINE	SW8270C	µg/kg	740 [a]	<1100	<1300	<1000
2-CHLORONAPHTHALENE	SW8270C	µg/kg	330	<510	<570	<450

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Component Analyzed	Method	Unit	PQL	Analysis Result Waste P1-174 02-01509-4	Waste P2-175 02-01509-5	Waste P2-176 02-01509-6
2-CHLOROPHENOL	SW8270C	µg/kg	330	<510	<570	<450
4-CHLOROPHENYL PHENYL ETHER	SW8270C	µg/kg	330	<510	<570	<450
CHRYSENE	SW8270C	µg/kg	150	<230	<260	<210
DI-N-BUTYL PHTHALATE	SW8270C	µg/kg	330	<510	<570	<450
DI-N-OCTYLPHTHALATE	SW8270C	µg/kg	330	<510	<570	<450
DIBENZ(A,H)ANTHRACENE	SW8270C	µg/kg	330	<510	<570	<450
DIBENZOFURAN	SW8270C	µg/kg	100	<150	<170	<140
1,2-DICHLOROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
1,3-DICHLOROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
1,4-DICHLOROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
3,3'-DICHLOROBENZIDINE	SW8270C	µg/kg	450 [a]	<700	<780	<620
2,4-DICHLOROPHENOL	SW8270C	µg/kg	330	<510	<570	<450
DIETHYL PHTHALATE	SW8270C	µg/kg	330	<510	<570	<450
DIMETHYL PHTHALATE	SW8270C	µg/kg	330	<510	<570	<450
2,4-DIMETHYLPHENOL	SW8270C	µg/kg	330	<510	<570	<450
2,6-DIMETHYLPHENOL	SW8270C	µg/kg	330	<510	<570	<450
3,4-DIMETHYLPHENOL	SW8270C	µg/kg	330	<510	<570	<450
4,6-DINITRO-2-METHYLPHENOL	SW8270C	µg/kg	1700	<2600	<2900	<2300
2,4-DINITROPHENOL	SW8270C	µg/kg	1700	<2600	<2900	<2300
2,4-DINITROTOLUENE	SW8270C	µg/kg	330	<510	<570	<450
2,6-DINITROTOLUENE	SW8270C	µg/kg	330	<510	<570	<450
FLUORANTHENE	SW8270C	µg/kg	330	<510	<570	<450
FLUORENE	SW8270C	µg/kg	330	<510	<570	<450
HEXACHLOROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
HEXACHLOROBUTADIENE	SW8270C	µg/kg	330	<510	<570	<450
HEXACHLOROCYCLOPENTADIENE	SW8270C	µg/kg	1700	<2600	<2900	<2300
HEXACHLOROETHANE	SW8270C	µg/kg	330	<510	<570	<450
INDENO(1,2,3-C,D)PYRENE	SW8270C	µg/kg	330	<510	<570	<450
ISOPHORONE	SW8270C	µg/kg	330	<510	<570	<450
2-METHYLNAPHTHALENE	SW8270C	µg/kg	330	170J	744	<450
2-METHYLPHENOL (O-CRESOL)	SW8270C	µg/kg	330	<510	<570	<450
3-METHYLPHENOL	SW8270C	µg/kg	330	<510	<570	<450
4-METHYLPHENOL	SW8270C	µg/kg	330	<510	<570	<450
NAPHTHALENE	SW8270C	µg/kg	330	<510	98J	<450
2-NITROANILINE	SW8270C	µg/kg	330	<510	<570	<450
3-NITROANILINE	SW8270C	µg/kg	330	<510	<570	<450
4-NITROANILINE	SW8270C	µg/kg	330	<510	<570	<450
NITROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
2-NITROPHENOL	SW8270C	µg/kg	660	<1000	<1100	<900
4-NITROPHENOL	SW8270C	µg/kg	330	<510	<570	<450
PENTACHLOROPHENOL	SW8270C	µg/kg	1700	<2600	<2900	<2300
PHENANTHRENE	SW8270C	µg/kg	150	110J	150J	<210
PHENOL	SW8270C	µg/kg	330	<510	<570	<450
PYRENE	SW8270C	µg/kg	330	<510	<570	<450
PENTACHLOROBENZENE	SW8270C	µg/kg	1700	<2600	<2900	<2300
PENTACHLORONITROBENZENE	SW8270C	µg/kg	1700	<2600	<2900	<2300
PYRIDINE	SW8270C	µg/kg	660	<1000	<1100	<900
1,2,4,5-TETRACHLOROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
2,3,4,6-TETRACHLOROPHENOL	SW8270C	µg/kg	330	<510	<570	<450
1,2,4-TRICHLOROBENZENE	SW8270C	µg/kg	330	<510	<570	<450
2,4,5-TRICHLOROPHENOL	SW8270C	µg/kg	330	<510	<570	<450
2,4,6-TRICHLOROPHENOL	SW8270C	µg/kg	330	<510	<570	<450

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste P1-174 02-01509-4	Waste P2-175 02-01509-5	Waste P2-176 02-01509-6
ORGANOCHLORINE PESTICIDES						
Dilution Factor				1	1	1
ALDRIN	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
BETA BHC	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
ALPHA BHC	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
DELTA BHC	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
GAMMA BHC (LINDANE)	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
ALPHA-CHLORDANE	SW8081A	µg/kg	2	3J	<3.5	2J
GAMMA-CHLORDANE	SW8081A	µg/kg	2	2J	<3.5	2J
4,4'-DDD	SW8081A	µg/kg	4	72	1,860 (c)	98
4,4'-DDE	SW8081A	µg/kg	4	6	14	10
4,4'-DDT	SW8081A	µg/kg	4	18	33	19
DIELDRIN	SW8081A	µg/kg	4	<6.2	<6.9	<5.5
ALPHA ENDOSULFAN	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
BETA ENDOSULFAN	SW8081A	µg/kg	4	<6.2	<6.9	<5.5
ENDOSULFAN SULFATE	SW8081A	µg/kg	4	<6.2	<6.9	<5.5
ENDRIN	SW8081A	µg/kg	4	<6.2	<6.9	<5.5
ENDRIN ALDEHYDE	SW8081A	µg/kg	4	<6.2	<6.9	<5.5
ENDRIN KETONE	SW8081A	µg/kg	4	<6.2	<6.9	<5.5
HEPTACHLOR	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
HEPTACHLOR EPOXIDE	SW8081A	µg/kg	2	<3.1	<3.5	<2.7
METHOXYCHLOR	SW8081A	µg/kg	20	<31	<35	<27
TOXAPHENE	SW8081A	µg/kg	23 (a)	<36	<40	<31

Component Analyzed	Method	Unit	PQL	Analysis Result Waste P3-177 02-01509-7	Waste PD1-178 02-01509-8	Waste PD2-179 02-01509-9
MOISTURE	ASTM-D2216	%Moisture	0.5	23.7	30.8	28.3
VOLATILE ORGANICS						
Dilution Factor				1.01	1.15	0.99
ACETONE	SW8260B	µg/kg	50	<66	<83	<69
BENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
BROMOBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
BROMOCHLOROMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
BROMODICHLOROMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
BROMOFORM	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
BROMOMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
2-BUTANONE	SW8260B	µg/kg	50	<66	<83	<69
N-BUTYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
SEC-BUTYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
T-BUTYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
CARBON DISULFIDE	SW8260B	µg/kg	10	<13	<17	<14
CARBON TETRACHLORIDE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
CHLOROBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
DIBROMOCHLOROMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
CHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
2-CHLOROETHYL VINTL ETHER	SW8260B	µg/kg	20	<26	<33	<28

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Component Analyzed	Method	Unit	PQL	Analysis Result Waste P3-177 02-01509-7	Waste PD1-178 02-01509-8	Waste PD2-179 02-01509-9
CHLOROFORM	SW8260B	µg/kg	5	0.9J	1J	1J
CHLOROMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
2-CHLOROTOLUENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
4-CHLOROTOLUENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	µg/kg	10	<13	<17	<14
1,2-DIBROMOETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
DIBROMOMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2-DICHLOROBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,3-DICHLOROBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,4-DICHLOROBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
DICHLORODIFLUOROMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1-DICHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2-DICHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1-DICHLOROETHENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
CIS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
TRANS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,3-DICHLOROPROPANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
2,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1-DICHLOROPROPENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
CIS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
TRANS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
ETHYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
HEXACHLOROBUTADIENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
2-HEXANONE	SW8260B	µg/kg	10	<13	<17	<14
ISOPROPYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
P-ISOPROPYLTOLUENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
METHYLENE CHLORIDE	SW8260B	µg/kg	10	0.9J	1J	0.8J
4-METHYL-2-PENTANONE	SW8260B	µg/kg	10	<13	<17	<14
METHYL TERT-BUTYL ETHER	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
N-PROPYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
STYRENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1,1,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1,2,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
TETRACHLOROETHYLENE(PCE)	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
TOLUENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2,3-TRICHLOROBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2,4-TRICHLOROBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1,1-TRICHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1,2-TRICHLOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
TRICHLOROETHYLENE (TCE)	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
TRICHLOROFLUOROMETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2,3-TRICHLOROPROPANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,2,4-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,3,5-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
1,1,2-TRICHLOROTRIFLUOROETHANE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
VINYL ACETATE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
VINYL CHLORIDE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
O-XYLENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9
M,P-XYLENE	SW8260B	µg/kg	5	<6.6	<8.3	<6.9

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Component Analyzed	Method	Unit	PQL	Analysis Result Waste P3-177 02-01509-7	Waste PD1-178 02-01509-8	Waste PD2-179 02-01509-9
SEMI-VOC, 64 COMPOUNDS						
Dilution Factor				1	1	1
ACENAPHTHENE	SW8270C	µg/kg	330	< 430	-	-
ACENAPHTHYLENE	SW8270C	µg/kg	330	< 430	-	-
ANTHRACENE	SW8270C	µg/kg	330	< 430	-	-
BENZO(A)ANTHRACENE	SW8270C	µg/kg	330	< 430	-	-
BENZO(A)PYRENE	SW8270C	µg/kg	150	< 200	-	-
BENZO(B)FLUORANTHENE	SW8270C	µg/kg	150	< 200	-	-
BENZO(G,H,I)PERYLENE	SW8270C	µg/kg	150	< 200	-	-
BENZO(K)FLUORANTHENE	SW8270C	µg/kg	330	< 430	-	-
BENZOIC ACID	SW8270C	µg/kg	330	< 430	-	-
BENZYL ALCOHOL	SW8270C	µg/kg	330	< 430	-	-
BIS(2-CHLOROETHOXY) METHANE	SW8270C	µg/kg	330	< 430	-	-
BIS(2-CHLOROETHYL) ETHER	SW8270C	µg/kg	330	< 430	-	-
BIS(2-CHLOROISOPROPYL) ETHER	SW8270C	µg/kg	330	< 430	-	-
BIS(2-ETHYLHEXYL) PHTHALATE	SW8270C	µg/kg	330	980	-	-
4-BROMOPHENYL PHENYL ETHER	SW8270C	µg/kg	330	< 430	-	-
BENZYL BUTYL PHTHALATE	SW8270C	µg/kg	330	< 430	-	-
CARBAZOLE	SW8270C	µg/kg	330	< 430	-	-
4-CHLORO-3-METHYLPHENOL	SW8270C	µg/kg	330	< 430	-	-
4-CHLOROANILINE	SW8270C	µg/kg	740 [a]	< 970	-	-
2-CHLORONAPHTHALENE	SW8270C	µg/kg	330	< 430	-	-
2-CHLOROPHENOL	SW8270C	µg/kg	330	< 430	-	-
4-CHLOROPHENYL PHENYL ETHER	SW8270C	µg/kg	330	< 430	-	-
CHRYSENE	SW8270C	µg/kg	150	< 200	-	-
DI-N-BUTYL PHTHALATE	SW8270C	µg/kg	330	< 430	-	-
DI-N-OCTYLPHTHALATE	SW8270C	µg/kg	330	< 430	-	-
DIBENZ(A,H)ANTHRACENE	SW8270C	µg/kg	330	< 430	-	-
DIBENZOFURAN	SW8270C	µg/kg	100	< 130	-	-
1,2-DICHLOROBENZENE	SW8270C	µg/kg	330	< 430	-	-
1,3-DICHLOROBENZENE	SW8270C	µg/kg	330	< 430	-	-
1,4-DICHLOROBENZENE	SW8270C	µg/kg	330	< 430	-	-
3,3'-DICHLOROBENZIDINE	SW8270C	µg/kg	450 [a]	< 590	-	-
2,4-DICHLOROPHENOL	SW8270C	µg/kg	330	< 430	-	-
DIETHYL PHTHALATE	SW8270C	µg/kg	330	< 430	-	-
DIMETHYL PHTHALATE	SW8270C	µg/kg	330	< 430	-	-
2,4-DIMETHYLPHENOL	SW8270C	µg/kg	330	< 430	-	-
2,6-DIMETHYLPHENOL	SW8270C	µg/kg	330	< 430	-	-
3,4-DIMETHYLPHENOL	SW8270C	µg/kg	330	< 430	-	-
4,6-DINITRO-2-METHYLPHENOL	SW8270C	µg/kg	1700	< 2200	-	-
2,4-DINITROPHENOL	SW8270C	µg/kg	1700	< 2200	-	-
2,4-DINITROTOLUENE	SW8270C	µg/kg	330	< 430	-	-
2,6-DINITROTOLUENE	SW8270C	µg/kg	330	< 430	-	-
FLUORANTHENE	SW8270C	µg/kg	330	< 430	-	-
FLUORENE	SW8270C	µg/kg	330	< 430	-	-
HEXACHLOROBENZENE	SW8270C	µg/kg	330	< 430	-	-
HEXACHLOROBUTADIENE	SW8270C	µg/kg	330	< 430	-	-
HEXACHLOROCYCLOPENTADIENE	SW8270C	µg/kg	1700	< 2200	-	-

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Component Analyzed	Method	Unit	PQL	Analysis Result Waste P3-177 02-01509-7	Waste PD1-178 02-01509-8	Waste PD2-179 02-01509-9
HEXACHLOROETHANE	SW8270C	µg/kg	330	<430	-	-
INDENO(1,2,3-C,D)PYRENE	SW8270C	µg/kg	330	<430	-	-
ISOPHORONE	SW8270C	µg/kg	330	<430	-	-
2-METHYLNAPHTHALENE	SW8270C	µg/kg	330	<430	-	-
2-METHYLPHENOL (O-CRESOL)	SW8270C	µg/kg	330	<430	-	-
3-METHYLPHENOL	SW8270C	µg/kg	330	<430	-	-
4-METHYLPHENOL	SW8270C	µg/kg	330	<430	-	-
NAPHTHALENE	SW8270C	µg/kg	330	<430	-	-
2-NITROANILINE	SW8270C	µg/kg	330	<430	-	-
3-NITROANILINE	SW8270C	µg/kg	330	<430	-	-
4-NITROANILINE	SW8270C	µg/kg	330	<430	-	-
NITROBENZENE	SW8270C	µg/kg	330	<430	-	-
2-NITROPHENOL	SW8270C	µg/kg	660	<870	-	-
4-NITROPHENOL	SW8270C	µg/kg	330	<430	-	-
PENTACHLOROPHENOL	SW8270C	µg/kg	1700	<2200	-	-
PHENANTHRENE	SW8270C	µg/kg	150	<200	-	-
PHENOL	SW8270C	µg/kg	330	<430	-	-
PYRENE	SW8270C	µg/kg	330	<430	-	-
PENTACHLOROBENZENE	SW8270C	µg/kg	1700	<2200	-	-
PENTACHLORONITROBENZENE	SW8270C	µg/kg	1700	<2200	-	-
PYRIDINE	SW8270C	µg/kg	660	<870	-	-
1,2,4,5-TETRACHLOROBENZENE	SW8270C	µg/kg	330	<430	-	-
2,3,4,6-TETRACHLOROPHENOL	SW8270C	µg/kg	330	<430	-	-
1,2,4-TRICHLOROBENZENE	SW8270C	µg/kg	330	<430	-	-
2,4,5-TRICHLOROPHENOL	SW8270C	µg/kg	330	<430	-	-
2,4,6-TRICHLOROPHENOL	SW8270C	µg/kg	330	<430	-	-
ORGANOCHLORINE PESTICIDES						
Dilution Factor				5	1	1
ALDRIN	SW8081A	µg/kg	2	<13	-	-
BETA BHC	SW8081A	µg/kg	2	<13	-	-
ALPHA BHC	SW8081A	µg/kg	2	<13	-	-
DELTA BHC	SW8081A	µg/kg	2	<13	-	-
GAMMA BHC (LINDANE)	SW8081A	µg/kg	2	<13	-	-
ALPHA-CHLORDANE	SW8081A	µg/kg	2	1J	-	-
GAMMA-CHLORDANE	SW8081A	µg/kg	2	<13	-	-
4,4'-DDD	SW8081A	µg/kg	4	91	-	-
4,4'-DDE	SW8081A	µg/kg	4	16J	-	-
4,4'-DDT	SW8081A	µg/kg	4	40	-	-
DIELDRIN	SW8081A	µg/kg	4	<26	-	-
ALPHA ENDOSULFAN	SW8081A	µg/kg	2	<13	-	-
BETA ENDOSULFAN	SW8081A	µg/kg	4	<26	-	-
ENDOSULFAN SULFATE	SW8081A	µg/kg	4	<26	-	-
ENDRIN	SW8081A	µg/kg	4	<26	-	-
ENDRIN ALDEHYDE	SW8081A	µg/kg	4	<26	-	-
ENDRIN KETONE	SW8081A	µg/kg	4	<26	-	-
HEPTACHLOR	SW8081A	µg/kg	2	<13	-	-
HEPTACHLOR EPOXIDE	SW8081A	µg/kg	2	<13	-	-
METHOXYCHLOR	SW8081A	µg/kg	20	<130	-	-
TOXAPHENE	SW8081A	µg/kg	23 [a]	<150	-	-

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste P1-172 02-01509-2	Waste P1-173 02-01509-3	Waste P1-174 02-01509-4
CORROSIVITY (PH)	9045C	pH unit	0.01	6.43	6.52	7.22
IGNITABILITY (FLASHPOINT)	1010	°C	0.5 [d]	>100	>100	>100
REACTIVITY: CYANIDE	SW§7.3.3	mg/kg	250	<250	<250	<250
REACTIVITY: SULFIDE	SW§7.3.4	mg/kg	500	<500	<500	<500
METALS						
Dilution Factor				4	4	4
ALUMINUM	SW6010B	mg/kg	5	28,800	30,600	29,000
ANTIMONY	SW6010B	mg/kg	5	3.5J	3.7J	3.0J
ARSENIC	SW6010B	mg/kg	0.25	10.8	11.0	9.3
BARIUM	SW6010B	mg/kg	1	54.5	61.9	59.4
BERYLLIUM	SW6010B	mg/kg	0.5	0.32J	0.31J	0.19J
CADMIUM	SW6010B	mg/kg	0.3	0.21J	0.39J	0.26J
CALCIUM	SW6010B	mg/kg	20	3,180	4,580	5,230
CHROMIUM	SW6010B	mg/kg	1	97.9	99.0	92.6
COBALT	SW6010B	mg/kg	1	25.5	21.6	19.0
COPPER	SW6010B	mg/kg	1	42.0	42.8	37.2
IRON	SW6010B	mg/kg	5	44,100	45,300	42,000
LEAD	SW6010B	mg/kg	1	19.5	24.7	17.0
MAGNESIUM	SW6010B	mg/kg	20	11,800	11,700	12,100
MANGANESE	SW6010B	mg/kg	1	764	609	523
Dilution Factor				1	1	1
MERCURY	SW7471A	mg/kg	0.1	0.18	0.17	0.11J
Dilution Factor				4	4	4
MOLYBDENUM	SW6010B	mg/kg	0.2	<1.1	<1.1	<1.2
NICKEL	SW6010B	mg/kg	2	90.4	95.5	88.9
POTASSIUM	SW6010B	mg/kg	20	3,240	3,740	3,470
SELENIUM	SW6010B	mg/kg	1	<5.7	<5.6	<6.2
SILVER	SW6010B	mg/kg	1	<5.7	<5.6	<6.2
SODIUM	SW6010B	mg/kg	100	1,130	305J	2,980
THALLIUM	SW6010B	mg/kg	1	<5.7	<5.6	<6.2
TITANIUM	SW6010B	mg/kg	1	378	464	476
VANADIUM	SW6010B	mg/kg	1	81.5	84.0	77.4
ZINC	SW6010B	mg/kg	1	92.0	103	92.5
Dilution Factor				1.06	1.07	1.08
PHC AS GASOLINE	SW8015B	mg/kg	1	<1.5	<1.5	0.05J
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	17	16	136
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	111 [e]	55 [e]	77
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	SW8082	μg/kg	100	<140	<140	<150
PCB-1221 (AROCLOR 1221)	SW8082	μg/kg	100	<140	<140	<150
PCB-1232 (AROCLOR 1232)	SW8082	μg/kg	100	<140	<140	<150
PCB-1242 (AROCLOR 1242)	SW8082	μg/kg	100	<140	<140	<150
PCB-1248 (AROCLOR 1248)	SW8082	μg/kg	100	<140	<140	<150
PCB-1254 (AROCLOR 1254)	SW8082	μg/kg	50	<71	<70	<77
PCB-1260 (AROCLOR 1260)	SW8082	μg/kg	50	38J	92	<77

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste P2-175 02-01509-5	Waste P2-176 02-01509-6	Waste P3-177 02-01509-7
CORROSIVITY (PH)	9045C	pH unit	0.01	7.01	6.31	6.44
IGNITABILITY (FLASHPOINT)	1010	°C	0.5 [d]	>100	>100	>100
REACTIVITY: CYANIDE	SW§7.3.3	mg/kg	250	<250	<250	<250
REACTIVITY: SULFIDE	SW§7.3.4	mg/kg	500	<500	<500	<500
METALS						
Dilution Factor				4	4	4
ALUMINUM	SW6010B	mg/kg	5	28,900	24,300	26,800
ANTIMONY	SW6010B	mg/kg	5	3.2J	3.2J	3.2J
ARSENIC	SW6010B	mg/kg	0.25	8.5	8.6	10.1
BARIUM	SW6010B	mg/kg	1	57.9	60.7	60.7
BERYLLIUM	SW6010B	mg/kg	0.5	0.10J	0.078J	0.19J
CADMIUM	SW6010B	mg/kg	0.3	0.25J	0.24J	0.26J
CALCIUM	SW6010B	mg/kg	20	5,540	4,550	3,640
CHROMIUM	SW6010B	mg/kg	1	98.6	79.8	87.6
COBALT	SW6010B	mg/kg	1	20.7	17.0	17.5
COPPER	SW6010B	mg/kg	1	40.7	30.3	37.8
IRON	SW6010B	mg/kg	5	43,600	36,900	39,100
LEAD	SW6010B	mg/kg	1	32.3	23.8	18.4
MAGNESIUM	SW6010B	mg/kg	20	13,700	10,700	10,300
MANGANESE	SW6010B	mg/kg	1	509	488	441
Dilution Factor				1	1	1
MERCURY	SW7471A	mg/kg	0.1	0.057J	0.091J	0.13J
Dilution Factor				4	4	4
MOLYBDENUM	SW6010B	mg/kg	0.2	<1.4	<1.1	<1.0
NICKEL	SW6010B	mg/kg	2	94.0	75.5	77.2
POTASSIUM	SW6010B	mg/kg	20	3,720	3,010	3,020
SELENIUM	SW6010B	mg/kg	1	<6.9	<5.5	<5.2
SILVER	SW6010B	mg/kg	1	<6.9	<5.5	<5.2
SODIUM	SW6010B	mg/kg	100	4,100	2,900	2,040
THALLIUM	SW6010B	mg/kg	1	<6.9	<5.5	<5.2
TITANIUM	SW6010B	mg/kg	1	575	475	439
VANADIUM	SW6010B	mg/kg	1	82.0	66.6	76.0
ZINC	SW6010B	mg/kg	1	94.1	76.6	91.3
Dilution Factor				1.31	1.34	1
PHC AS GASOLINE	SW8015B	mg/kg	1	0.08J	<1.8	<1.3
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [a]	221	88	82
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [a]	198	154	98
PCBS						
Dilution Factor				1	1	1
PCB-1016 (AROCLOR 1016)	SW8082	μg/kg	100	<170	<140	<130
PCB-1221 (AROCLOR 1221)	SW8082	μg/kg	100	<170	<140	<130
PCB-1232 (AROCLOR 1232)	SW8082	μg/kg	100	<170	<140	<130
PCB-1242 (AROCLOR 1242)	SW8082	μg/kg	100	<170	<140	<130
PCB-1248 (AROCLOR 1248)	SW8082	μg/kg	100	<170	<140	<130
PCB-1254 (AROCLOR 1254)	SW8082	μg/kg	50	<86	<68	<66
PCB-1260 (AROCLOR 1260)	SW8082	μg/kg	50	<86	30J	11J

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1
Dilution Factor				4
ARSENIC	SW6010B	mg/kg	0.25	9.1
BERYLLIUM	SW6010B	mg/kg	0.5	0.46J
CADMIUM	SW6010B	mg/kg	0.3	0.18J
COBALT	SW6010B	mg/kg	1	17.7
LEAD	SW6010B	mg/kg	1	12.4
MANGANESE	SW6010B	mg/kg	1	343
NICKEL	SW6010B	mg/kg	2	108
ZINC	SW6010B	mg/kg	1	105
PAH (NOAA)				
Dilution Factor				1
ACENAPHTHENE	PAH-SIM	μg/kg	25	<36
ANTHRACENE	PAH-SIM	μg/kg	25	<36
BENZO(A)ANTHRACENE	PAH-SIM	μg/kg	25	<36
BENZO(A)PYRENE	PAH-SIM	μg/kg	25	<36
BENZO(B)FLUORANTHENE	PAH-SIM	μg/kg	25	47
BENZO(G,H,I)PERYLENE	PAH-SIM	μg/kg	25	<36
CHRYSENE	PAH-SIM	μg/kg	25	33J
FLUORANTHENE	PAH-SIM	μg/kg	25	<36
FLUORENE	PAH-SIM	μg/kg	25	<36
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	μg/kg	25	13J
PHENANTHRENE	PAH-SIM	μg/kg	25	<36
PYRENE	PAH-SIM	μg/kg	25	<36

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

(a) MDL reported.

(b) Analyzed on an instrument with MDL=38 μg/kg for this compound.

(c) Analyzed wit a dilution factor of 20.

(d) Corresponds to the minimum reading of the thermometer used.

(e) Mixture in Motor Oil range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021697
Collected by: Scott Elkind/Joe Struck
Collected on: 02/05-07/02

Received: 02/06-08/02
Extracted: 02/21-23/02
Tested: 02/25/02
Reported: 02/26/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples [a]

Component Analyzed	Method	Unit	PQL	Analysis Result		
				Waste Demo1-180 02-01697-1	Waste Demo2-181 02-01697-2	Waste P1-172 02-01697-3
Dilution Factor				5	5	5
STLC Chromium	6010B	μg/L	5	599	637	779

Component Analyzed	Method	Unit	PQL	Analysis Result	
				Waste P1-173 02-01697-4	Waste P1-174 02-01697-5
Dilution Factor				5	5
STLC Chromium	6010B	μg/L	5	480	397

Component Analyzed	Method	Unit	PQL	Analysis Result	
				Waste P2-176 02-01697-6	Waste P3-177 02-01697-7
Dilution Factor				5	5
STLC Chromium	6010B	μg/L	5	689	503

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Additional analysis for 02-1509 and 02-1544 requested on 2/21/02.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021509 Received: 02/06/02
Collected by: Scott Elkind/Joe Strack Extracted: 02/08/02
Collected on: 02/05/02 Tested: 02/06-14/02
Revised: 02/28/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1	Waste P1-172 02-01509-2	Waste P1-173 02-01509-3
MOISTURE	ASTM-D2216	%Moisture	0.5	29.6	29.9	28.7
PH	9045C	pH unit	0.01	6.02	-	-
VOLATILE ORGANICS						
Dilution Factor				1	1.03	1
ACETONE	SW8260B	μg/kg	50	-	<73	<70
BENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOCHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMODICHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOFORM	SW8260B	μg/kg	5	-	<7.3	<7.0
BROMOMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
2-BUTANONE	SW8260B	μg/kg	50	-	<73	<70
N-BUTYLBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
SEC-BUTYLBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
T-BUTYLBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
CARBON DISULFIDE	SW8260B	μg/kg	10	-	<15	<14
CARBON TETRACHLORIDE	SW8260B	μg/kg	5	-	<7.3	<7.0
CHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
DIBROMOCHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
CHLOROETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
2-CHLOROETHYL VINTL ETHER	SW8260B	μg/kg	20	-	<29	<28
CHLOROFORM	SW8260B	μg/kg	5	-	1J	0.8J
CHLOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
2-CHLOROTOLUENE	SW8260B	μg/kg	5	-	<7.3	<7.0
4-CHLOROTOLUENE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	μg/kg	10	-	<15	<14
1,2-DIBROMOETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
DIBROMOMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,2-DICHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,3-DICHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,4-DICHLOROBENZENE	SW8260B	μg/kg	5	-	<7.3	<7.0
DICHLORODIFLUOROMETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0
1,1-DICHLOROETHANE	SW8260B	μg/kg	5	-	<7.3	<7.0

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1
Dilution Factor				4
ARSENIC	SW6010B	mg/kg	0.25	9.1
BERYLLIUM	SW6010B	mg/kg	0.5	0.46J
CADMIUM	SW6010B	mg/kg	0.3	0.18J
COBALT	SW6010B	mg/kg	1	17.7
LEAD	SW6010B	mg/kg	1	12.4
MANGANESE	SW6010B	mg/kg	1	343
NICKEL	SW6010B	mg/kg	2	108
ZINC	SW6010B	mg/kg	1	105
PAH (NOAA)				
Dilution Factor				1
ACENAPHTHENE	PAH-SIM	μg/kg	13 [a]	<18
ANTHRACENE	PAH-SIM	μg/kg	25	<36
BENZO(A)ANTHRACENE	PAH-SIM	μg/kg	25	<36
BENZO(A)PYRENE	PAH-SIM	μg/kg	25	<36
BENZO(B)FLUORANTHENE	PAH-SIM	μg/kg	25	47
BENZO(G,H,I)PERYLENE	PAH-SIM	μg/kg	25	<36
CHRYSENE	PAH-SIM	μg/kg	25	33J
FLUORANTHENE	PAH-SIM	μg/kg	25	<36
FLUORENE	PAH-SIM	μg/kg	8.9 [a]	<13
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	μg/kg	25	13J
PHENANTHRENE	PAH-SIM	μg/kg	25	<36
PYRENE	PAH-SIM	μg/kg	25	<36

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] MDL reported.
[b] Analyzed on an instrument with MDL=38 μg/kg for this compound.
[c] Analyzed wit a dilution factor of 20.
[d] Corresponds to the minimum reading of the thermometer used.
[e] Mixture in Motor Oil range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 60145
Page 1 of 2

Project Name/No. [1] 83147I-HAAF
Sample Team Members [2] Scott Elkind / Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okuso
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 2/5/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 8291 9579 1036 FEDEX

Bill to: [5] IT Corporation Concord, CA

Report to: [10] Vicky Taylor

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Preservative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
Waste P1-172	Soil	2/5/02 1035	2x Glass 4x Encore	2x 9oz 4x Encore	Ice	VOCs, TPH-g, TPH-d,m-o SVOCs, Metals, Pest, PCBs, RCI		
Waste P1-173	Soil	2/5/02 1050	4x Glass 8x Encore	4x 9oz 8x Encore				
Waste P1-174	Soil	2/5/02 1110	2x Glass 4x Encore	2x 9oz 4x Encore			Good Condition	
Waste P2-175	Soil	2/5/02 1200					Temp 3.6°C	
Waste P2-176	Soil	2/5/02 1205						
Waste ~~P01~~ P3-177		2/5/02 12[illegible]						
Waste P0½-178		2/5/02 1300	3x Encore	3x Encore	Ice	VOCs		
Waste P02-179		2/5/02 1305	3x Encore	3x Encore	Ice	VOCs		

FOR LAB USE ONLY

FOR LAB USE ONLY 1509

Special Instructions: [23] * For sample 171, see attached sheet for specific analytes

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☒ 5 day TAT

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation) [signature] IT	Date: 2/5/02 Time: 1400	1. Received by [28] (Signature/Affiliation) [signature]	Date: 2/6/2 Time: 1130
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

MCA 3/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 560145
Page 2 of 2

Project Name HAAF

Project No. 831471

Samples Shipment Date 2/5/02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HBSFL622-SO-171	Soil	2/5/02 1320	2x Glass	2x9oz	Ice	SVOCs, PAH, metals, Pest. *		
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							1509 FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	

2/5/02

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

February 22, 2002

Received 2/26/02

The IT Group
Attention : Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1509 and your project: 831471 Hamilton AFB. Enclosed please find:

(1) Original Analytical Report.
(2) Original Chain of Custody.
(3) One original Standard Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021509 Received: 02/06/02
Collected by: Scott Elkind/Joe Strack Extracted: 02/08/02
Collected on: 02/05/02 Tested: 02/06-14/02
Revised: 02/28/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1	Waste P1-172 02-01509-2	Waste P1-173 02-01509-3
MOISTURE	ASTM-D2216	%Moisture	0.5	29.6	29.9	28.7
PH	9045C	pH unit	0.01	6.02	-	-
VOLATILE ORGANICS						
Dilution Factor				1	1.03	1
ACETONE	SW8260B	µg/kg	50	-	<73	<70
BENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
BROMOBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
BROMOCHLOROMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
BROMODICHLOROMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
BROMOFORM	SW8260B	µg/kg	5	-	<7.3	<7.0
BROMOMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
2-BUTANONE	SW8260B	µg/kg	50	-	<73	<70
N-BUTYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
SEC-BUTYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
T-BUTYLBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
CARBON DISULFIDE	SW8260B	µg/kg	10	-	<15	<14
CARBON TETRACHLORIDE	SW8260B	µg/kg	5	-	<7.3	<7.0
CHLOROBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
DIBROMOCHLOROMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
CHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
2-CHLOROETHYL VINTL ETHER	SW8260B	µg/kg	20	-	<29	<28
CHLOROFORM	SW8260B	µg/kg	5	-	1J	0.8J
CHLOROMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
2-CHLOROTOLUENE	SW8260B	µg/kg	5	-	<7.3	<7.0
4-CHLOROTOLUENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	µg/kg	10	-	<15	<14
1,2-DIBROMOETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
DIBROMOMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,2-DICHLOROBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,3-DICHLOROBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,4-DICHLOROBENZENE	SW8260B	µg/kg	5	-	<7.3	<7.0
DICHLORODIFLUOROMETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0
1,1-DICHLOROETHANE	SW8260B	µg/kg	5	-	<7.3	<7.0

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBSFL622-SO-171 02-01509-1
Dilution Factor				4
ARSENIC	SW6010B	mg/kg	0.25	9.1
BERYLLIUM	SW6010B	mg/kg	0.5	0.46J
CADMIUM	SW6010B	mg/kg	0.3	0.18J
COBALT	SW6010B	mg/kg	1	17.7
LEAD	SW6010B	mg/kg	1	12.4
MANGANESE	SW6010B	mg/kg	1	343
NICKEL	SW6010B	mg/kg	2	108
ZINC	SW6010B	mg/kg	1	105
PAH (NOAA)				
Dilution Factor				1
ACENAPHTHENE	PAH-SIM	μg/kg	13 [a]	<18
ANTHRACENE	PAH-SIM	μg/kg	25	<36
BENZO(A)ANTHRACENE	PAH-SIM	μg/kg	25	<36
BENZO(A)PYRENE	PAH-SIM	μg/kg	25	<36
BENZO(B)FLUORANTHENE	PAH-SIM	μg/kg	25	47
BENZO(G,H,I)PERYLENE	PAH-SIM	μg/kg	25	<36
CHRYSENE	PAH-SIM	μg/kg	25	33J
FLUORANTHENE	PAH-SIM	μg/kg	25	<36
FLUORENE	PAH-SIM	μg/kg	8.9 [a]	<13
INDENO(1,2,3-C,D)PYRENE	PAH-SIM	μg/kg	25	13J
PHENANTHRENE	PAH-SIM	μg/kg	25	<36
PYRENE	PAH-SIM	μg/kg	25	<36

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
(a) MDL reported.
(b) Analyzed on an instrument with MDL=38 μg/kg for this compound.
(c) Analyzed wit a dilution factor of 20.
(d) Corresponds to the minimum reading of the thermometer used.
(e) Mixture in Motor Oil range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
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Ham 01

Received 3/6/02

March 5, 2002

The IT Group
Attention : Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1544 and your project: 831471 Hamilton AFB. Enclosed please find:

(1) Original Analytical Report.
(2) Original Chain of Custody.
(3) One original and one copy of Standard Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

for

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
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Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021544
Collected by: Scott Elkind
Collected on: 02/07/02

Received: 02/08/02
Extracted: 02/08/02
Tested: 02/08-14/02
Reported: 02/15/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result Waste Demo1-180 02-01544-1	Waste Demo2-181 02-01544-2
MOISTURE	ASTM-D2216	%Moisture	0.5	24.2	31.0
CORROSIVITY (PH)	9045C	pH unit	0.01	8.82	9.16
IGNITABILITY (FLASHPOINT)	1010	°C	0.5 [a]	>100	>100
REACTIVITY: CYANIDE	SW§7.3.3	mg/kg	250	<250	<250
REACTIVITY: SULFIDE	SW§7.3.4	mg/kg	500	<500	<500
METALS					
Dilution Factor				4	1
ALUMINUM	SW6010B	mg/kg	5	16,300	28,000
ANTIMONY	SW6010B	mg/kg	5	2.4J	2.5J
ARSENIC	SW6010B	mg/kg	0.25	6.1	6.9
BARIUM	SW6010B	mg/kg	1	45.5	74.0
BERYLLIUM	SW6010B	mg/kg	0.5	<2.6	0.28J
CADMIUM	SW6010B	mg/kg	0.3	<1.6	0.28J
CALCIUM	SW6010B	mg/kg	20	7,760	10,700
CHROMIUM	SW6010B	mg/kg	1	64.1	85.9
COBALT	SW6010B	mg/kg	1	17.4	17.0
COPPER	SW6010B	mg/kg	1	42.5	43.1
Dilution Factor				4	10
IRON	SW6010B	mg/kg	5	31,200	39,200
Dilution Factor				4	1
LEAD	SW6010B	mg/kg	1	15.2	24.4
MAGNESIUM	SW6010B	mg/kg	20	10,900	10,400
MANGANESE	SW6010B	mg/kg	1	612	465
Dilution Factor				1	1
MERCURY	SW7471A	mg/kg	0.1	0.20	0.31
Dilution Factor				4	1
MOLYBDENUM	SW6010B	mg/kg	1	<5.3	<1.4
NICKEL	SW6010B	mg/kg	2	75.8	82.1
Dilution Factor				4	10
POTASSIUM	SW6010B	mg/kg	20	2,440	2,640
Dilution Factor				4	1
SELENIUM	SW6010B	mg/kg	1	<5.3	<1.4
SILVER	SW6010B	mg/kg	1	<5.3	<1.4
SODIUM	SW6010B	mg/kg	100	2,650	2,470
TITANIUM	SW6010B	mg/kg	1	274	349
THALLIUM	SW6010B	mg/kg	1	<5.3	<1.4
VANADIUM	SW6010B	mg/kg	1	55.5	79.1
ZINC	SW6010B	mg/kg	1	637	98.7
Dilution Factor				1.27	1.03
PHC AS GASOLINE	SW8015B	mg/kg	1	0.02J	0.02J
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	2.3 [b]	57	286
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.7 [b]	93	261

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste Demo1-180 02-01544-1	Waste Demo2-181 02-01544-2
VOLATILE ORGANICS					
Dilution Factor				1.38	0.99
ACETONE	SW8260B	µg/kg	50	<91	<72
BENZENE	SW8260B	µg/kg	5	<9.1	<7.2
BROMOBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
BROMOCHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
BROMODICHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
BROMOFORM	SW8260B	µg/kg	5	<9.1	<7.2
BROMOMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
2-BUTANONE	SW8260B	µg/kg	50	<91	<72
N-BUTYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
SEC-BUTYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
T-BUTYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
CARBON DISULFIDE	SW8260B	µg/kg	10	<18	<14
CARBON TETRACHLORIDE	SW8260B	µg/kg	5	<9.1	<7.2
CHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
DIBROMOCHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
CHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
2-CHLOROETHYL VINTL ETHER	SW8260B	µg/kg	20	<36	<29
CHLOROFORM	SW8260B	µg/kg	5	<9.1	0.7J
CHLOROMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
2-CHLOROTOLUENE	SW8260B	µg/kg	5	<9.1	<7.2
4-CHLOROTOLUENE	SW8260B	µg/kg	5	<9.1	<7.2
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	µg/kg	10	<18	<14
1,2-DIBROMOETHANE	SW8260B	µg/kg	5	<9.1	<7.2
DIBROMOMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,2-DICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
1,3-DICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
1,4-DICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
DICHLORODIFLUOROMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,1-DICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,2-DICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,1-DICHLOROETHENE	SW8260B	µg/kg	5	<9.1	<7.2
CIS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<9.1	<7.2
TRANS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<9.1	<7.2
1,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<7.2
1,3-DICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<7.2
2,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<7.2
1,1-DICHLOROPROPENE	SW8260B	µg/kg	5	<9.1	<7.2
CIS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<9.1	<7.2
TRANS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<9.1	<7.2

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste Demo1-180 02-01544-1	Waste Demo2-181 02-01544-2
ETHYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
HEXACHLOROBUTADIENE	SW8260B	µg/kg	5	<9.1	<7.2
2-HEXANONE	SW8260B	µg/kg	10	<18	<14
ISOPROPYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
P-ISOPROPYLTOLUENE	SW8260B	µg/kg	5	<9.1	<7.2
METHYLENE CHLORIDE	SW8260B	µg/kg	10	2J	2J
4-METHYL-2-PENTANONE	SW8260B	µg/kg	10	<18	<14
METHYL TERT-BUTYL ETHER	SW8260B	µg/kg	5	<9.1	<7.2
N-PROPYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
STYRENE	SW8260B	µg/kg	5	<9.1	<7.2
1,1,1,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,1,2,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
TETRACHLOROETHENE(PCE)	SW8260B	µg/kg	5	<9.1	<7.2
TOLUENE	SW8260B	µg/kg	5	<9.1	<7.2
1,2,3-TRICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
1,2,4-TRICHLOROBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
1,1,1-TRICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,1,2-TRICHLOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
TRICHLOROETHYLENE (TCE)	SW8260B	µg/kg	5	<9.1	<7.2
TRICHLOROFLUOROMETHANE	SW8260B	µg/kg	5	<9.1	<7.2
1,2,3-TRICHLOROPROPANE	SW8260B	µg/kg	5	<9.1	<7.2
1,2,4-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
1,3,5-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<9.1	<7.2
1,1,2-TRICHLOROTRIFLUOROETHANE	SW8260B	µg/kg	5	<9.1	<7.2
VINYL ACETATE	SW8260B	µg/kg	5	<9.1	<7.2
VINYL CHLORIDE	SW8260B	µg/kg	5	<9.1	<7.2
O-XYLENE	SW8260B	µg/kg	5	<9.1	<7.2
M,P-XYLENE	SW8260B	µg/kg	5	<9.1	<7.2
SEMI-VOC, 64 COMPOUNDS					
Dilution Factor				1	1
ACENAPHTHENE	SW8270C	µg/kg	330	<440	<480
ACENAPHTHYLENE	SW8270C	µg/kg	330	<440	<480
ANTHRACENE	SW8270C	µg/kg	330	<440	<480
BENZO(A)ANTHRACENE	SW8270C	µg/kg	330	72J	<480
BENZO(A)PYRENE	SW8270C	µg/kg	150	81J	<220
BENZO(B)FLUORANTHENE	SW8270C	µg/kg	150	<200	<220
BENZO(G,H,I)PERYLENE	SW8270C	µg/kg	150	<200	<220
BENZO(K)FLUORANTHENE	SW8270C	µg/kg	330	<440	<480
BENZOIC ACID	SW8270C	µg/kg	330	<440	<480
BENZYL ALCOHOL	SW8270C	µg/kg	330	<440	<480
BIS(2-CHLOROETHOXY) METHANE	SW8270C	µg/kg	330	<440	<480
BIS(2-CHLOROETHYL) ETHER	SW8270C	µg/kg	330	<440	<480
BIS(2-CHLOROISOPROPYL) ETHER	SW8270C	µg/kg	330	<440	<480
BIS(2-ETHYLHEXYL) PHTHALATE	SW8270C	µg/kg	330	<440	<480
4-BROMOPHENYL PHENYL ETHER	SW8270C	µg/kg	330	<440	<480
BENZYL BUTYL PHTHALATE	SW8270C	µg/kg	330	<440	<480
CARBAZOLE	SW8270C	µg/kg	330	<440	<480
4-CHLORO-3-METHYLPHENOL	SW8270C	µg/kg	330	<440	<480
4-CHLOROANILINE	SW8270C	µg/kg	740 (b)	<980	<1100
2-CHLORONAPHTHALENE	SW8270C	µg/kg	330	<440	<480
2-CHLOROPHENOL	SW8270C	µg/kg	330	<440	<480

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste Demo1-180 02-01544-1	Waste Demo2-181 02-01544-2
4-CHLOROPHENYL PHENYL ETHER	SW8270C	µg/kg	330	<440	<480
CHRYSENE	SW8270C	µg/kg	150	110J	<220
DI-N-BUTYL PHTHALATE	SW8270C	µg/kg	330	<440	<480
DI-N-OCTYLPHTHALATE	SW8270C	µg/kg	330	<440	<480
DIBENZ(A,H)ANTHRACENE	SW8270C	µg/kg	330	<440	<480
DIBENZOFURAN	SW8270C	µg/kg	100	<130	<140
1,2-DICHLOROBENZENE	SW8270C	µg/kg	330	<440	<480
1,3-DICHLOROBENZENE	SW8270C	µg/kg	330	<440	<480
1,4-DICHLOROBENZENE	SW8270C	µg/kg	330	<440	<480
3,3'-DICHLOROBENZIDINE	SW8270C	µg/kg	450 (b)	<600	<650
2,4-DICHLOROPHENOL	SW8270C	µg/kg	330	<440	<480
DIETHYL PHTHALATE	SW8270C	µg/kg	330	<440	<480
DIMETHYL PHTHALATE	SW8270C	µg/kg	330	<440	<480
2,4-DIMETHYLPHENOL	SW8270C	µg/kg	330	<440	<480
2,6-DIMETHYLPHENOL	SW8270C	µg/kg	330	<440	<480
3,4-DIMETHYLPHENOL	SW8270C	µg/kg	330	<440	<480
4,6-DINITRO-2-METHYLPHENOL	SW8270C	µg/kg	1700	<2200	<2400
2,4-DINITROPHENOL	SW8270C	µg/kg	1700	<2200	<2400
2,4-DINITROTOLUENE	SW8270C	µg/kg	330	<440	<480
2,6-DINITROTOLUENE	SW8270C	µg/kg	330	<440	<480
FLUORANTHENE	SW8270C	µg/kg	330	150J	63J
FLUORENE	SW8270C	µg/kg	330	<440	<480
HEXACHLOROBENZENE	SW8270C	µg/kg	330	<440	<480
HEXACHLOROBUTADIENE	SW8270C	µg/kg	330	<440	<480
HEXACHLOROCYCLOPENTADIENE	SW8270C	µg/kg	1700	<2200	<2400
HEXACHLOROETHANE	SW8270C	µg/kg	330	<440	<480
INDENO(1,2,3-C,D)PYRENE	SW8270C	µg/kg	330	<440	<480
ISOPHORONE	SW8270C	µg/kg	330	<440	<480
2-METHYLNAPHTHALENE	SW8270C	µg/kg	330	<440	<480
2-METHYLPHENOL (O-CRESOL)	SW8270C	µg/kg	330	<440	<480
3-METHYLPHENOL	SW8270C	µg/kg	330	<440	<480
4-METHYLPHENOL	SW8270C	µg/kg	330	<440	<480
NAPHTHALENE	SW8270C	µg/kg	330	<440	<480
2-NITROANILINE	SW8270C	µg/kg	330	<440	<480
3-NITROANILINE	SW8270C	µg/kg	330	<440	<480
4-NITROANILINE	SW8270C	µg/kg	330	<440	<480
NITROBENZENE	SW8270C	µg/kg	330	<440	<480
2-NITROPHENOL	SW8270C	µg/kg	660	<870	<960
4-NITROPHENOL	SW8270C	µg/kg	330	<440	<480
PENTACHLOROPHENOL	SW8270C	µg/kg	1700	<2200	<2400
PHENANTHRENE	SW8270C	µg/kg	150	160J	91J
PHENOL	SW8270C	µg/kg	330	<440	<480
PYRENE	SW8270C	µg/kg	330	150J	<480
PENTACHLOROBENZENE	SW8270C	µg/kg	1700	<2200	<2400
PENTACHLORONITROBENZENE	SW8270C	µg/kg	1700	<2200	<2400
PYRIDINE	SW8270C	µg/kg	660	<870	<960
1,2,4,5-TETRACHLOROBENZENE	SW8270C	µg/kg	330	<440	<480
2,3,4,6-TETRACHLOROPHENOL	SW8270C	µg/kg	330	<440	<480
1,2,4-TRICHLOROBENZENE	SW8270C	µg/kg	330	<440	<480
2,4,5-TRICHLOROPHENOL	SW8270C	µg/kg	330	<440	<480
2,4,6-TRICHLOROPHENOL	SW8270C	µg/kg	330	<440	<480

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result Waste Demo1-180 02-01544-1	Waste Demo2-181 02-01544-2
ORGANOCHLORINE PESTICIDES					
Dilution Factor				1	5
ALDRIN	SW8081A	μg/kg	2	<2.6	<14
BETA BHC	SW8081A	μg/kg	2	<2.6	<14
ALPHA BHC	SW8081A	μg/kg	2	<2.6	<14
DELTA BHC	SW8081A	μg/kg	2	<2.6	<14
GAMMA BHC (LINDANE)	SW8081A	μg/kg	2	<2.6	<14
ALPHA-CHLORDANE	SW8081A	μg/kg	2	6.3	2J
GAMMA-CHLORDANE	SW8081A	μg/kg	2	5.3	2J
4,4'-DDD	SW8081A	μg/kg	4	98	150
4,4'-DDE	SW8081A	μg/kg	4	8	4J
4,4'-DDT	SW8081A	μg/kg	4	24	12J
DIELDRIN	SW8081A	μg/kg	4	<5.3	<29
ALPHA ENDOSULFAN	SW8081A	μg/kg	2	<2.6	<14
BETA ENDOSULFAN	SW8081A	μg/kg	4	<5.3	<29
ENDOSULFAN SULFATE	SW8081A	μg/kg	4	<5.3	<29
ENDRIN	SW8081A	μg/kg	4	<5.3	<29
ENDRIN ALDEHYDE	SW8081A	μg/kg	4	<5.3	<29
ENDRIN KETONE	SW8081A	μg/kg	4	<5.3	<29
HEPTACHLOR	SW8081A	μg/kg	2	0.4J	<14
HEPTACHLOR EPOXIDE	SW8081A	μg/kg	2	<2.6	<14
METHOXYCHLOR	SW8081A	μg/kg	20	<26	<140
TOXAPHENE	SW8081A	μg/kg	23 (b)	<30	<170
PCBS					
Dilution Factor				1	1
PCB-1016 (AROCLOR 1016)	SW8082	μg/kg	100	<130	<140
PCB-1221 (AROCLOR 1221)	SW8082	μg/kg	100	<130	<140
PCB-1232 (AROCLOR 1232)	SW8082	μg/kg	100	<130	<140
PCB-1242 (AROCLOR 1242)	SW8082	μg/kg	100	<130	<140
PCB-1248 (AROCLOR 1248)	SW8082	μg/kg	100	<130	<140
PCB-1254 (AROCLOR 1254)	SW8082	μg/kg	50	<66	<72
PCB-1260 (AROCLOR 1260)	SW8082	μg/kg	50	<66	13J

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
(a) Corresponds to the minimum reading of the thermometer used.
(b) MDL reported.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560147
Page 1 of 1

Project Name/No. 1 HAAF/831471
Sample Team Members 2 Scott Elkind
Profit Center No. 3
Project Manager 4 Nora Okusu
Purchase Order No. 6
Required Report Date 11

Samples Shipment Date 7 2/7/02
Lab Destination 8 APCL
Lab Contact 9 Hsin-Yi Lee
Project Contact/Phone 12 Vicky Taylor (925) 288-2350
Carrier/Waybill No. 13 1831904476 Airborne

Bill to: 5 IT Corporation Concord, CA
Report to: 10 Vicky Taylor

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
WasteDemol-180	Soil	2/7/02 0940	2x Glass 4x Encore	2x 4oz 4x Encore	Ice	VOCs, TPH-g, TPH-d, MO, SVOCs, Metals, Pest, PCBs, RCI	Good Condition Temp 3.4°	FOR LAB USE ONLY
Waste Demo 2-181	Soil	2/7/02 1020	↓	↓	↓	↓		

1544

FOR LAB USE ONLY

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 72 hr TAT

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by 28 (Signature/Affiliation) [signature], IT — Date: 2/7/02 Time: 1100	1. Received by 28 (Signature/Affiliation) [signature] — Date: 2/8/2 Time: 1000
2. Relinquished by (Signature/Affiliation) — Date: Time:	2. Received by (Signature/Affiliation) — Date: Time:
3. Relinquished by (Signature/Affiliation) — Date: Time:	3. Received by (Signature/Affiliation) — Date: Time:

Comments: 29

MCA 3/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 3/27/02

March 27, 2002

The IT Group
Attention : Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1999 and your project: 831471 Hamilton AFB. Enclosed please find:

(1) Original Analytical Report.
(2) Original Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021999
Collected by: Scott Elkind/Joe Strack
Collected on: 03/12/02

Received: 03/14/02
Extracted: 03/14/02
Tested: 03/14-15/02
Reported: 03/21/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result WasteP2-1-206 02-01999-1	WasteP2-2-207 02-01999-2	WasteP2-3-208 02-01999-3	WasteP2-4-209 02-01999-4
MOISTURE	ASTM-D2216	%Moisture	0.5	26.8	30.3	35.1	37.3
ORGANOCHLORINE PESTICIDES							
Dilution Factor				1	1	1	1
4,4'-DDD	SW8081A	μg/kg	4	223 [a]	9	22	9
4,4'-DDE	SW8081A	μg/kg	4	5J	1J	3J	2J
4,4'-DDT	SW8081A	μg/kg	4	2J	6	6J	2J

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Analyzed with a dilution factor of 5.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 60152
Page 1 of 1

Project Name/No. [1] HAAF/831471
Sample Team Members [2] Scott Elkind / Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 3/13/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 2567760565 Airborne

Bill to: [5] IT Corporation Concord, CA
Report to: [10] Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
Waste P2r1-206	Soil SE	3/12/02 1025	9 oz Glass	1x 9oz	Ice	DDD, DDE, DDT (8081A)		
Waste P2r2-207	NE	3/12/02 1030					Good Condition Temp 4°C	FOR LAB USE ONLY
Waste P2r3-208	SW	3/12/02 1035						
Waste P2r4-209	NW	3/12/02 1040						
					1999			FOR LAB USE ONLY
		3/13/02						

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☒ Rush ☐

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation) IT	Date: 3/13/02 Time: 1200	1. Received by [28] (Signature/Affiliation)	Date: 3/14/2 Time: 1030
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 3/28/02 VT

March 27, 2002

The IT Group
Attention : Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-2040 and your project: 831471 Hamilton AFB. Enclosed please find:

(1) Original Analytical Report.
(2) Original Chain of Custody.
(3) One original and one copy of Level C Data Package Deliverable.
(4) One Diskette containing EDD Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-022040
Collected by: Scott Elkind
Collected on: 03/15/02

Received: 03/16/02
Extracted: 03/18/02
Tested: 03/18-19/02
Reported: 03/19/02

Sample Description: Soil from Revertment 6/7
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR6L610-SO-210 02-02040-1	HBR6L611-SO-211 02-02040-2	HBR6L612-SO-212 02-02040-3
MOISTURE	ASTM-D2216	%Moisture	0.5	0.025	33.9	36.2	36.1
PAH-SIM							
Dilution Factor					1	1	1
ACENAPHTHENE	PAH-SIM	μg/kg	17	1.5	<26	<27	<27
FLUORENE	PAH-SIM	μg/kg	25	1.8	<38	<39	<39
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	10	2.4	<15	<16	43

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR6L613-SO-213 02-02040-4	HBR6L614-SO-214 02-02040-5	HBR6L615-SO-215 02-02040-6
MOISTURE	ASTM-D2216	%Moisture	0.5	0.025	33.1	38.6	9.8
PAH-SIM							
Dilution Factor					1	1	1
ACENAPHTHENE	PAH-SIM	μg/kg	17	1.5	<25	<28	<19
FLUORENE	PAH-SIM	μg/kg	25	1.8	<37	<41	<28
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	10	2.4	<15	<16	<11

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR6L616-SO-216 02-02040-7	HBR6L617-SO-217 02-02040-8	HBR6L618-SO-218 02-02040-9
MOISTURE	ASTM-D2216	%Moisture	0.5	0.025	12.0	14.2	12.8
PAH-SIM							
Dilution Factor					1	1	1
ACENAPHTHENE	PAH-SIM	μg/kg	17	1.5	<19	<20	<19
FLUORENE	PAH-SIM	μg/kg	25	1.8	<28	<29	<29
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	10	2.4	<11	<12	<11

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR7L611-SO-219 02-02040-10	HBR7L612-SO-220 02-02040-11	HBR7L613-SO-221 02-02040-12
MOISTURE	ASTM-D2216	%Moisture	0.5	0.025	9.0	14.1	12.6

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR7L611-SO-219 02-02040-10	HBR7L612-SO-220 02-02040-11	HBR7L613-SO-221 02-02040-12
PAH-SIM							
Dilution Factor					1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	17	1.5	<19	<20	11J
ANTHRACENE	PAH-SIM	µg/kg	25	1.5	<27	<29	14J
BENZO(A)ANTHRACENE	PAH-SIM	µg/kg	25	2.4	<27	<29	50
BENZO(A)PYRENE	PAH-SIM	µg/kg	25	1.9	<27	<29	25J
CHRYSENE	PAH-SIM	µg/kg	25	1.3	<27	<29	47
DIBENZ(A,H)ANTHRACENE	PAH-SIM	µg/kg	25	2.0	<27	<29	<29
FLUORANTHENE	PAH-SIM	µg/kg	25	1.5	<27	<29	110
FLUORENE	PAH-SIM	µg/kg	17	1.8	<19	<20	<19
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	2.4	<11	<12	<11
PHENANTHRENE	PAH-SIM	µg/kg	25	1.6	<27	<29	89
PYRENE	PAH-SIM	µg/kg	25	1.3	<27	<29	93

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR7L614-SO-222 02-02040-13	HBR7L615-SO-223 02-02040-14	HBR7L615-SO-224 02-02040-15
MOISTURE	ASTM-D2216	%Moisture	0.5	0.025	11.8	12.1	17.3
PAH-SIM							
Dilution Factor					1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	17	1.5	<19	<19	<21
ANTHRACENE	PAH-SIM	µg/kg	25	1.5	<28	<28	<30
BENZO(A)ANTHRACENE	PAH-SIM	µg/kg	25	2.4	<28	10J	11J
BENZO(A)PYRENE	PAH-SIM	µg/kg	25	1.9	<28	<28	<30
CHRYSENE	PAH-SIM	µg/kg	25	1.3	<28	17J	19J
DIBENZ(A,H)ANTHRACENE	PAH-SIM	µg/kg	25	2.0	<28	<28	<30
FLUORANTHENE	PAH-SIM	µg/kg	25	1.5	10J	18J	50
FLUORENE	PAH-SIM	µg/kg	17	1.8	<19	<19	<21
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	2.4	<11	<11	<12
PHENANTHRENE	PAH-SIM	µg/kg	25	1.6	8J	10J	32
PYRENE	PAH-SIM	µg/kg	25	1.3	<28	12J	36

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR7L611-SO-219 02-02040-10	HBR7L612-SO-220 02-02040-11	HBR7L613-SO-221 02-02040-12
Dilution Factor					1	1	1
LEAD	SW6010B	mg/kg	1	0.038	10.1	9.4	23.4

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR7L614-SO-222 02-02040-13	HBR7L615-SO-223 02-02040-14	HBR7L615-SO-224 02-02040-15
Dilution Factor					1	1	1
LEAD	SW6010B	mg/kg	1	0.038	11.6	18.2	17.7

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR6L610-SO-210 02-02040-1	HBR6L611-SO-211 02-02040-2	HBR6L612-SO-212 02-02040-3
Dilution Factor					1.03	1.15	1.46
PHC AS GASOLINE	SW8015B	mg/kg	1	0.017	0.4J	0.07J	0.4J
Dilution Factor					1	1	1
DIESEL FUEL	SW8015B	mg/kg	1	0.73	9.1 [a]	2 [a]	7.1 [a]
MOTOR OILS	SW8015B	mg/kg	2.4 [b]	2.4	21 [a]	14 [a]	11 [a]

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR6L613-SO-213 02-02040-4	HBR6L614-SO-214 02-02040-5	HBR6L615-SO-215 02-02040-6
Dilution Factor					1.05	1.2	0.87
PHC AS GASOLINE	SW8015B	mg/kg	1	0.017	0.07J	0.04J	0.03J
Dilution Factor					1	1	1
DIESEL FUEL	SW8015B	mg/kg	1	0.73	2 [a]	2 [a]	0.9J [a]
MOTOR OILS	SW8015B	mg/kg	2.4 [b]	2.4	17 [a]	20 [a]	13 [a]

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result HBR6L616-SO-216 02-02040-7	HBR6L617-SO-217 02-02040-8	HBR6L618-SO-218 02-02040-9
Dilution Factor					0.82	0.84	0.89
PHC AS GASOLINE	SW8015B	mg/kg	1	0.017	<0.93	<0.98	<1.0
Dilution Factor					1	1	1
DIESEL FUEL	SW8015B	mg/kg	1	0.73	<1.1	<1.2	<1.1
MOTOR OILS	SW8015B	mg/kg	2.4 [b]	2.4	4.3	<2.8	<2.8

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Unknown mixture in Diesel/Motor Oil range.
[b] MDL reported.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the i group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 560153
Page 1 of 2

Project Name/No.[1] HAAF/831471
Sample Team Members[2] Scott Elkind
Profit Center No.[3]
Project Manager[4] Nora Okusu
Purchase Order No.[6]
Required Report Date[11]

Samples Shipment Date[7] 3/15/02
Lab Destination[8] APCL
Lab Contact[9] Hsin-Yi Lee
Project Contact/Phone[12] Vicky Taylor (925) 288-2350
Carrier/Waybill No.[13] 2567760462 Airborne

Bill to:[5] IT Corporation Concord, CA
Report to:[10] Vicky Taylor

White: To accompany samples
Yellow: Field copy

ONE CONTAINER PER LINE

Sample Number[14]	Sample Description/Type[15]	Date/Time Collected[16]	Container Type[17]	Sample Volume[18]	Preservative[19]	Requested Testing Program[20]		Condition on Receipt[21]	Disposal Record No.[22]
HBRGLG10-SO-210	Soil	3/15/02 ~~1040~~ 0940	9 oz jar Encore	1x 9 oz ~~6x Encore~~	ICE	TPH-d,mo, TPH-S 8270C-SIM *	1		
HBRGLG11-SO-211		3/15/02 0945		1x 9 oz 3x Encore			1	FOR LAB USE ONLY	
HBRGLG12-SO-212		3/15/02 0950					1	Good Condition	
HBRGLG13-SO-213		3/15/02 1000					1	Temp=3.8°C	
HBRGLG14-SO-214		3/15/02 1005					1		
HBRGLG15-SO-215		3/15/02 1105					1	FOR LAB USE ONLY	
HBRGLG16-SO-216		3/15/02 1115					1		
HBRGLG17-SO-217		3/15/02 1120					1		

2040

Special Instructions:[23] * See Attached sheet for specific analytes

Possible Hazard Identification:[24] Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:[25] Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required:[26] Normal ☐ Rush ☒ Rest 72hr TAT 24hrs TAT TPH-S, mo, d

QC Level:[27] I. ☐ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by[28] (Signature/Affiliation) Scott Elkind IT	Date: 3/15/02 Time: 1300	1. Received by[28] (Signature/Affiliation) Paul K	Date: 3/16/02 Time: 1015.
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments:[29]
Need 24h-TAT for TPH-d, mo, g and 72h-TAT for other analyses.

*See back of form for special instructions.

MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 060153

Page 2 of 2

Project Name HAAF

Project No. 831471

Samples Shipment Date 3/15/02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HBR6L618-SO-218	Soil	3/15/02 1130	9oz glass Encore	1x 9oz 3x Encore	ICC	TPH-dino, TPH-S (1) 8270C-SIM		
HBR7L611-SO-219		3/15/02 1210	9oz glass	1x 9oz	ICC	Lead, 8270C-SIM (2)	FOR LAB USE ONLY	
HBR7L612-SO-220		3/15/02 1215				(2)	FOR LAB USE ONLY	
HBR7L613-SO-221		3/15/02 1220				(2)	FOR LAB USE ONLY	
HBR7L614-SO-222		3/15/02 1225				(2)	FOR LAB USE ONLY	
HBR7L615-SO-223		3/15/02 1230				(2)	FOR LAB USE ONLY	
HBR7L615-SO-224		3/15/02 1230				(2)	FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	

2040

3/15/02

White: To accompany samples

Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

APCL

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel. (909) 590-1828 Fax (909) 590-1498

Received 3/13/02

March 09, 2002

The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord, CA 94520-1120

Dear Vicky,

This package contains samples in our Service ID 02-1820 and your project 831471 Hamilton AFB. Enclosed please find:

(1) Original report.
(2) Chain of Custody.
(3) One Diskette containing EDD Deliverable.
(4) One original and one copy of Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Kevin Xie, Ph.D.,
QA/QC Director
Applied P & Ch Laboratory

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
The IT Group
Attention: Vicky Taylor
4005 Port Chicago Highway
Concord CA 94520-1120
Tel: (925)288-9898 Fax: (925)827-5927

Service ID #: 801-021820
Collected by: Scott Elkind/Joe Strack
Collected on: 02/28/02

Received: 03/01/02
Extracted: 03/01-04/02
Tested: 03/01-05/02
Reported: 03/05/02

Sample Description: Soil
Project Description: 831471 Hamilton AFB

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L601-SO-182 02-01820-1	HBR7L601-SO-183 02-01820-2	HBR7L602-SO-184 02-01820-5
MOISTURE	ASTM-D2216	%Moisture	0.5	14.6	16.3	11.5

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L603-SO-185 02-01820-7	HBR7L604-SO-186 02-01820-9	HBR7L605-SO-187 02-01820-11
MOISTURE	ASTM-D2216	%Moisture	0.5	32.4	12.5	14.8

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L606-SO-189 02-01820-13	HBR7L607-SO-190 02-01820-15	HBR7L608-SO-191 02-01820-17
MOISTURE	ASTM-D2216	%Moisture	0.5	12.5	13.4	12.3

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L609-SO-192 02-01820-19	HBR7L610-SO-193 02-01820-22
MOISTURE	ASTM-D2216	%Moisture	0.5	25.9	15.6

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L601-SO-182 02-01820-1	HBR7L601-SO-183 02-01820-2	HBR7L602-SO-184 02-01820-5
Dilution Factor				1	1	1
LEAD	SW6010B	mg/kg	1	35.5	66.4	10.7

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L601-SO-182 02-01820-1	HBR7L601-SO-183 02-01820-2	HBR7L602-SO-184 02-01820-5
PAH						
Dilution Factor				1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	15	< 18	13J	< 17
ANTHRACENE	PAH-SIM	µg/kg	25	10J	14J	< 28
BENZO(A)ANTHRACENE	PAH-SIM	µg/kg	25	15J	96	< 28
BENZO(A)PYRENE	PAH-SIM	µg/kg	25	< 29	89	< 28
CHRYSENE	PAH-SIM	µg/kg	25	11J	86	< 28
DIBENZ(A,H)ANTHRACENE	PAH-SIM	µg/kg	25	< 29	< 30	< 28
FLUORANTHENE	PAH-SIM	µg/kg	25	16J	170	< 28
FLUORENE	PAH-SIM	µg/kg	15	< 18	< 18	< 17
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	< 12	< 12	< 11
PHENANTHRENE	PAH-SIM	µg/kg	25	< 29	100	< 28
PYRENE	PAH-SIM	µg/kg	25	14J	150	< 28

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L603-SO-185 02-01820-7	HBR7L604-SO-186 02-01820-9	HBR7L605-SO-187 02-01820-11
Dilution Factor				1	1	1
LEAD	SW6010B	mg/kg	1	51.2	16.9	21.0
PAH						
Dilution Factor				1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	15	11J	89	32
ANTHRACENE	PAH-SIM	µg/kg	25	37	83	49
BENZO(A)ANTHRACENE	PAH-SIM	µg/kg	25	84	150	93
BENZO(A)PYRENE	PAH-SIM	µg/kg	25	51	110	74
CHRYSENE	PAH-SIM	µg/kg	25	200	120	230
DIBENZ(A,H)ANTHRACENE	PAH-SIM	µg/kg	25	< 37	< 29	< 29
FLUORANTHENE	PAH-SIM	µg/kg	25	470	350	460
FLUORENE	PAH-SIM	µg/kg	15	< 22	68	30
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	< 15	52	18
PHENANTHRENE	PAH-SIM	µg/kg	25	250	430	440
PYRENE	PAH-SIM	µg/kg	25	370	250	360

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L606-SO-189 02-01820-13	HBR7L607-SO-190 02-01820-15
Dilution Factor				0.86	1.02
PHC AS GASOLINE	SW8015B	mg/kg	1	0.03J	0.03J
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	1	< 1.1	< 1.2
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.4 [a]	3.7	5.2

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Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L606-SO-189 02-01820-13	Analysis Result HBR7L607-SO-190 02-01820-15
VOLATILE ORGANICS					
Dilution Factor				0.84	0.97
ACETONE	SW8260B	µg/kg	50	15J	99
BENZENE	SW8260B	µg/kg	5	<4.8	<5.6
BROMOBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
BROMOCHLOROMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
BROMODICHLOROMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
BROMOFORM	SW8260B	µg/kg	5	<4.8	<5.6
BROMOMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
2-BUTANONE	SW8260B	µg/kg	50	5J	33J
N-BUTYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
SEC-BUTYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
T-BUTYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
CARBON DISULFIDE	SW8260B	µg/kg	10	<9.6	<11
CARBON TETRACHLORIDE	SW8260B	µg/kg	5	<4.8	<5.6
CHLOROBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
DIBROMOCHLOROMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
CHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
2-CHLOROETHYL VINTL ETHER	SW8260B	µg/kg	20	<19	<22
CHLOROFORM	SW8260B	µg/kg	5	<4.8	<5.6
CHLOROMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
2-CHLOROTOLUENE	SW8260B	µg/kg	5	<4.8	<5.6
4-CHLOROTOLUENE	SW8260B	µg/kg	5	<4.8	<5.6
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	µg/kg	10	<9.6	<11
1,2-DIBROMOETHANE	SW8260B	µg/kg	5	<4.8	<5.6
DIBROMOMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,2-DICHLOROBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
1,3-DICHLOROBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
1,4-DICHLOROBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
DICHLORODIFLUOROMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,1-DICHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,2-DICHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,1-DICHLOROETHENE	SW8260B	µg/kg	5	<4.8	<5.6
CIS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<4.8	<5.6
TRANS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<4.8	<5.6
1,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<4.8	<5.6
1,3-DICHLOROPROPANE	SW8260B	µg/kg	5	<4.8	<5.6
2,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<4.8	<5.6
1,1-DICHLOROPROPENE	SW8260B	µg/kg	5	<4.8	<5.6
CIS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<4.8	<5.6
TRANS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<4.8	<5.6

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Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L606-SO-189 02-01820-13	HBR7L607-SO-190 02-01820-15
ETHYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
HEXACHLOROBUTADIENE	SW8260B	µg/kg	5	<4.8	<5.6
2-HEXANONE	SW8260B	µg/kg	10	<9.6	<11
ISOPROPYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
P-ISOPROPYLTOLUENE	SW8260B	µg/kg	5	<4.8	<5.6
METHYLENE CHLORIDE	SW8260B	µg/kg	10	5J	4J
4-METHYL-2-PENTANONE	SW8260B	µg/kg	10	<9.6	<11
METHYL TERT-BUTYL ETHER	SW8260B	µg/kg	5	<4.8	<5.6
N-PROPYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
STYRENE	SW8260B	µg/kg	5	<4.8	<5.6
1,1,1,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,1,2,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
TETRACHLOROETHENE(PCE)	SW8260B	µg/kg	5	<4.8	<5.6
TOLUENE	SW8260B	µg/kg	5	<4.8	<5.6
1,2,3-TRICHLOROBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
1,2,4-TRICHLOROBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
1,1,1-TRICHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,1,2-TRICHLOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
TRICHLOROETHYLENE (TCE)	SW8260B	µg/kg	5	<4.8	<5.6
TRICHLOROFLUOROMETHANE	SW8260B	µg/kg	5	<4.8	<5.6
1,2,3-TRICHLOROPROPANE	SW8260B	µg/kg	5	<4.8	<5.6
1,2,4-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
1,3,5-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<4.8	<5.6
1,1,2-TRICHLOROTRIFLUOROETHANE	SW8260B	µg/kg	5	<4.8	<5.6
VINYL ACETATE	SW8260B	µg/kg	5	<4.8	<5.6
VINYL CHLORIDE	SW8260B	µg/kg	5	<4.8	<5.6
O-XYLENE	SW8260B	µg/kg	5	<4.8	<5.6
M,P-XYLENE	SW8260B	µg/kg	5	<4.8	<5.6

Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L608-SO-191 02-01820-17	HBR7L609-SO-192 02-01820-19	HBR7L610-SO-193 02-01820-22
Dilution Factor				1.19	1.04	0.99
PHC AS GASOLINE	SW8015B	mg/kg	1	0.05J	0.05J	2.6 [b]
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	1	0.9J	2	22 [c]
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.4 [a]	22	16	<2.8

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Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L608-SO-191 02-01820-17	HBR7L609-SO-192 02-01820-19	HBR7L610-SO-193 02-01820-22
VOLATILE ORGANICS						
Dilution Factor				1.03	0.96	0.99
ACETONE	SW8260B	µg/kg	50	150	59J	22J
BENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
BROMOBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
BROMOCHLOROMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
BROMODICHLOROMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
BROMOFORM	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
BROMOMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
2-BUTANONE	SW8260B	µg/kg	50	43J	17J	<59
N-BUTYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
SEC-BUTYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	10
T-BUTYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
CARBON DISULFIDE	SW8260B	µg/kg	10	<12	<13	<12
CARBON TETRACHLORIDE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
CHLOROBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
DIBROMOCHLOROMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
CHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
2-CHLOROETHYL VINTL ETHER	SW8260B	µg/kg	20	<23	<26	<23
CHLOROFORM	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
CHLOROMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
2-CHLOROTOLUENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
4-CHLOROTOLUENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2-DIBROMO-3-CHLOROPROPANE	SW8260B	µg/kg	10	<12	<13	<12
1,2-DIBROMOETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
DIBROMOMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2-DICHLOROBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,3-DICHLOROBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,4-DICHLOROBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
DICHLORODIFLUOROMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1-DICHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2-DICHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1-DICHLOROETHENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
CIS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
TRANS-1,2-DICHLOROETHENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,3-DICHLOROPROPANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
2,2-DICHLOROPROPANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1-DICHLOROPROPENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
CIS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
TRANS-1,3-DICHLOROPROPENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
ETHYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9

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Component Analyzed	Method	Unit	PQL	Analysis Result HBR7L608-SO-191 02-01820-17	HBR7L609-SO-192 02-01820-19	HBR7L610-SO-193 02-01820-22
HEXACHLOROBUTADIENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
2-HEXANONE	SW8260B	µg/kg	10	<12	<13	<12
ISOPROPYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	1J
P-ISOPROPYLTOLUENE	SW8260B	µg/kg	5	<5.9	<6.5	4J
METHYLENE CHLORIDE	SW8260B	µg/kg	10	4J	3J	3J
4-METHYL-2-PENTANONE	SW8260B	µg/kg	10	<12	<13	<12
METHYL TERT-BUTYL ETHER	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
N-PROPYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	4J
STYRENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1,1,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1,2,2-TETRACHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
TETRACHLOROETHENE(PCE)	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
TOLUENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2,3-TRICHLOROBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2,4-TRICHLOROBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1,1-TRICHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1,2-TRICHLOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
TRICHLOROETHENE (TCE)	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
TRICHLOROFLUOROMETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2,3-TRICHLOROPROPANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,2,4-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	1J
1,3,5-TRIMETHYLBENZENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
1,1,2-TRICHLOROTRIFLUOROETHANE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
VINYL ACETATE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
VINYL CHLORIDE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
O-XYLENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9
M,P-XYLENE	SW8260B	µg/kg	5	<5.9	<6.5	<5.9

Component Analyzed	Method	Unit	PQL	Analysis Result HBR6L601-SO-194 02-01820-3	HBR6L601-SO-195 02-01820-4	HBR6L602-SO-196 02-01820-6
MOISTURE	ASTM-D2216	%Moisture	0.5	7.6	7.3	26.1
PH	9045C	pH unit	0.01	7.28	7.56	7.16
Dilution Factor				0.93	1.07	1.18
PHC AS GASOLINE	SW8015B	mg/kg	1	0.03J	0.02J	0.1J
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	1	6.8	5.9	9.7
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.4	80	41	18

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Component Analyzed	Method	Unit	PQL	Analysis Result HBR6L601-SO-194 02-01820-3	HBR6L601-SO-195 02-01820-4	HBR6L602-SO-196 02-01820-6
PAH						
Dilution Factor				1	2	1
ACENAPHTHENE	PAH-SIM	µg/kg	15	<16	<32	<20
FLUORENE	PAH-SIM	µg/kg	25	<27	17J	<34
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	8J	93	<14

Component Analyzed	Method	Unit	PQL	Analysis Result HBR6L603-SO-197 02-01820-8	HBR6L604-SO-198 02-01820-10	HBR6L605-SO-199 02-01820-12
MOISTURE	ASTM-D2216	%Moisture	0.5	12.6	14.8	8.5
PH	9045C	pH unit	0.01	7.07	6.79	7.29
Dilution Factor				0.97	0.98	0.86
PHC AS GASOLINE	SW8015B	mg/kg	1	0.05J	0.06J	1.9 [b]
Dilution Factor				1	1	5
PHC AS DIESEL FUEL	SW8015B	mg/kg	1	14	<1.2	500
Dilution Factor				1	1	5
MOTOR OILS	SW8015B	mg/kg	2.4 [a]	53 [d]	8.5	34
PAH						
Dilution Factor				1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	15	<17	<18	<16
FLUORENE	PAH-SIM	µg/kg	25	<29	<29	<27
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	<11	<12	<11

Component Analyzed	Method	Unit	PQL	Analysis Result HBR6L606-SO-200 02-01820-14	HBR6L607-SO-202 02-01820-16	HBR6L608-SO-203 02-01820-18
MOISTURE	ASTM-D2216	%Moisture	0.5	14.1	15.8	32.4
PH	9045C	pH unit	0.01	6.92	6.80	6.89
Dilution Factor				0.87	0.9	1.08
PHC AS GASOLINE	SW8015B	mg/kg	1	0.2J [b]	0.02J	0.8J
Dilution Factor				1	1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	1	37	11	25
Dilution Factor				1	1	1
MOTOR OILS	SW8015B	mg/kg	2.4 [a]	7.6	3.1	233 [d]
PAH						
Dilution Factor				1	1	1
ACENAPHTHENE	PAH-SIM	µg/kg	15	<17	<18	<22
FLUORENE	PAH-SIM	µg/kg	25	<29	<30	<37
2-METHYLNAPHTHALENE	PAH-SIM	µg/kg	10	<12	<12	27

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Component Analyzed	Method	Unit	PQL	Analysis Result HBR6L609-SO-204 02-01820-20	Analysis Result HBR6L609-SO-205 02-01820-21
MOISTURE	ASTM-D2216	%Moisture	0.5	33.3	33.7
PH	9045C	pH unit	0.01	9.48	8.25
Dilution Factor				0.96	1.07
PHC AS GASOLINE	SW8015B	mg/kg	1	0.3J [b]	0.3J [b]
Dilution Factor				1	1
PHC AS DIESEL FUEL	SW8015B	mg/kg	1	31	16
Dilution Factor				1	1
MOTOR OILS	SW8015B	mg/kg	2.4 [a]	30	10
PAH					
Dilution Factor				1	1
ACENAPHTHENE	PAH-SIM	μg/kg	15	<22	<23
FLUORENE	PAH-SIM	μg/kg	25	<37	<38
2-METHYLNAPHTHALENE	PAH-SIM	μg/kg	10	<15	<15

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

[a] MDL reported.

[b] Not a typical gas pattern. Most of the peaks in the chromatogram correspond to the heavier portion of the chain.

[c] Mixture in Mineral Spirit, JP-5 range.

[d] Sample chromatogram also contained isolated peaks at C_{28}-C_{32} range.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

the group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 30150
Page 1 of 2

Project Name/No. [1] HAAF/831471
Sample Team Members [2] Scott Elkind / Joe Strack
Profit Center No. [3]
Project Manager [4] Nora Okusu
Purchase Order No. [6]
Required Report Date [11]

Samples Shipment Date [7] 2/28/02
Lab Destination [8] APCL
Lab Contact [9] Hsin-Yi Lee (509) 590-1928
Project Contact/Phone [12] Vicky Taylor (925) 288-2350
Carrier/Waybill No. [13] 2567100866 Airborne

Bill to: [5] IT Corporation Concord, CA

Report to: [10] Vicky Taylor

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
HBR7L601-SO-182	SOIL	2-28-02 1220	9oz JAR	1x 9oz	ICE	LEAD 8270C SIM (1)		
HBR7L601-SO-183		1220	9oz JAR	1x9oz		LEAD 8270C SIM (1)	FOR LAB USE ONLY	
HBR7L602-SO-184		1225	9oz JAR	2x9oz		(1)	Good Condition	
HBR7L603-SO-185		1230	9oz JAR	1x9oz		(1)	Temp 4.3°C	
HBR7L604-SO-186		1233	9oz JAR	1x9oz		(1)		
HBR7L605-SO-187		1235	9oz JAR	1x9oz		~~TPH diesel, motor oil~~ ~~TPH gas, VOCs~~ LEAD (1) 8270C SIM	FOR LAB USE ONLY	
HBR7L606-SO-189		1300	1x9oz JAR 4x Sequence	9oz +20g		TPH diesel/motor oil TPH gas/VOCs	1820	
HBR7L607-SO-190		1305						

Special Instructions: [23] See attached sheet for specific analytes MS/MSD FOR HBR7L602-SO-184

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☐

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation)	Date: 2/28/02 Time: 1500	1. Received by [28] (Signature/Affiliation)	Date: 3/1/2 Time: 1000
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

MCA 3/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 560150
Page 2 of 2

Project Name HAAF

Project No. 831471

Samples Shipment Date 2-28-02

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
HBR7L608-SO-191	SOIL	2-28-02 1310	9oz JAR 4x5g EnCore	9oz +20g	ICE	TPHd./motoil TPHgas VOCs		
HBR7L609-SO-192		2-28-02 1215					FOR LAB USE ONLY	
HBR7L610-SO-193		2-28-02 1325						
HBR6L601-SO-194		2/28/02 1350	1x9oz JAR 3x5g EnCore	9oz +15g	ICE	TPHgas, 8270C-SIM ~~TPHdiesel/motoil~~	②	
HBR6L601-SO-195		2/28/02 1350					②	FOR LAB USE ONLY
HBR6L602-SO-196		2/28/02 1355					②	
HBR6L603-SO-197		2/28/02 1400					②	FOR LAB USE ONLY
HBR6L604-SO-198		2/28/02 1405					②	
HBR6L605-SO-199		2/28/02 1407					②	1820
HBR6L606-SO-200		2/28/02 1410					②	FOR LAB USE ONLY
HBR6L607-SO-202		2/28/02 1420					②	
HBR6L608-SO-203		2/28/02 1425					②	FOR LAB USE ONLY
HBR6L609-SO-204		2/28/02 1500					②	
HBR6L609-SO-205		2/28/02 1500					②	FOR LAB USE ONLY
								FOR LAB USE ONLY
								FOR LAB USE ONLY

White: To accompany samples
Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

TABLE E-1
Qualified Results by Area and Method
Hamilton Army Air Force Base, Novato California

Building 41 West "L" Excavation

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q	Reason Code
Modified SW8015 for the Determination of Diesel Range Organic in Soil and Water, GC/FID									
HB41L608-SO-128	02-1185	20020114	EX	TPH-diesel fuel (C12-C24)	505	3.9	MG/KG	J	C
HB41L610-SO-130	02-1185	20020114	EX	TPH-diesel fuel (C12-C24)	604	19	MG/KG	J	C
HB41L616-SO-149	02-1289	20020121	CF	TPH as motor oil (C24-C36)	24	5.7	MG/KG	J -	S
HB41L616-SO-149	02-1289	20020121	CF	TPH-diesel fuel (C12-C24)	ND	4.9	MG/KG	UJ	S
Polynuclear Aromatic Hydrocarbons									
HB41L609-SO-129	02-1185	20020114	CF	Acenaphthene	ND	27	UG/KG	UJ	S
HB41L609-SO-129	02-1185	20020114	CF	Fluorene	ND	8.9	UG/KG	UJ	S
HB41L609-SO-129	02-1185	20020114	CF	Fluoranthene	43	8.9	UG/KG	J -	S
HB41L609-SO-129	02-1185	20020114	CF	Naphthalene	ND	89	UG/KG	UJ	S
HB41L609-SO-129	02-1185	20020114	CF	Phenanthrene	25	18	UG/KG	J -	S

Perimeter Drainage

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q	Reason Code
Modified SW8015 for the Determination of Diesel Range Organic in Soil and Water, GC/FID									
HBPDL602-SO-120	02-1124	20020110	CF	TPH-diesel fuel (C12-C24)	7.9	3.6	MG/KG	U	K
HBPDL604-SO-122	02-1124	20020110	CF	TPH-diesel fuel (C12-C24)	8.8	3.5	MG/KG	U	K
Polynuclear Aromatic Hydrocarbons SIM									
HBPDL605-SO-142	02-1259	20020117	CF	Acenaphthene	ND	27	UG/KG	UJ	L
HBPDL605-SO-142	02-1259	20020117	CF	Indeno(1,2,3-c,d)pyrene	ND	27	UG/KG	UJ	C
HBPDL605-SO-142	02-1259	20020117	CF	Dibenz(a,h)anthracene	ND	27	UG/KG	UJ	C
HBPDL605-SO-142	02-1259	20020117	CF	Benzo(g,h,i)perylene	ND	27	UG/KG	UJ	C
Organochlorine Pesticides and PCBs as Aroclors by Gas Chromatography Capillary Column Technique									
HBPDL601-SO-118	02-1124	20020110	CF	DDT44	0.8	7.8	UG/KG	J -	STr
HBPDL601-SO-118	02-1124	20020110	CF	DDD44	1	7.8	UG/KG	J -	STr
HBPDL601-SO-118	02-1124	20020110	CF	DDE44	ND	7.8	UG/KG	UJ	S
HBPDL601-SO-119	02-1124	20020110	CF	DDD44	1	7.8	UG/KG	J -	STr
HBPDL601-SO-119	02-1124	20020110	CF	DDT44	1	7.8	UG/KG	J -	STr
HBPDL601-SO-119	02-1124	20020110	CF	DDE44	ND	7.8	UG/KG	UJ	S
HBPDL602-SO-120	02-1124	20020110	CF	DDD44	1	6.2	UG/KG	J -	STr
HBPDL602-SO-120	02-1124	20020110	CF	DDE44	2	6.2	UG/KG	J -	STr
HBPDL602-SO-120	02-1124	20020110	CF	DDT44	4	6.2	UG/KG	J -	STr
HBPDL603-SO-121	02-1124	20020110	CF	DDT44	0.9	6.7	UG/KG	J -	STr
HBPDL603-SO-121	02-1124	20020110	CF	DDE44	ND	6.7	UG/KG	UJ	S
HBPDL603-SO-121	02-1124	20020110	CF	DDD44	1	6.7	UG/KG	J -	STr
GC/MS for Semivolatile Organics (Capillary Column Technique)									
HBPDL601-SO-119	02-1124	20020110	CF	Dibenzofuran	ND	200	UG/KG	UJ	S
HBPDL602-SO-120	02-1124	20020110	CF	Dibenzofuran	ND	160	UG/KG	J -	M

Q: Qualifer CF: Confirmation Sample EX: Excavated Sample SIM: Selected Ion Monitoring

TABLE E-1
Qualified Results by Area and Method
Hamilton Army Air Force Base, Novato California

Perimeter Drainage

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q		Reason Code
GC/MS for Semivolatile Organics (Capillary Column Technique)										
HBPDL604-SO-122	02-1124	20020110	CF	Dibenzofuran	ND	150	UG/KG	UJ		S
Polynuclear Aromatic Hydrocarbons										
HBPDL601-SO-119	02-1124	20020110	CF	Benzo(g,h,i)perylene	ND	9.8	UG/KG	UJ		C
HBPDL602-SO-120	02-1124	20020110	CF	Naphthalene	ND	780	UG/KG	UJ		M
HBPDL602-SO-120	02-1124	20020110	CF	Anthracene	ND	160	UG/KG	R		M
HBPDL602-SO-120	02-1124	20020110	CF	Acenaphthene	ND	230	UG/KG	UJ		M

Revetment 6

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q		Reason Code
Modified SW8015 for the Determination of Diesel Range Organic in Soil and Water, GC/FID										
HBR6L601-SO-195	02-1820	20020228	CF	TPH-diesel fuel (C12-C24)	5.9	1.1	MG/KG	J	+	D1M
Modified SW8015 for the Determination of Gasoline Range Organic in Soil and Water, GC/FID										
HBR6L601-SO-194	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.03	1	MG/KG	UJ		B1Tr
HBR6L601-SO-195	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.02	1.2	MG/KG	UJ		B1Tr
HBR6L602-SO-196	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.1	1.6	MG/KG	UJ		B1Tr
HBR6L603-SO-197	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.05	1.1	MG/KG	UJ		B1Tr
HBR6L604-SO-198	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.06	1.2	MG/KG	UJ		B1Tr
HBR6L605-SO-199	02-1820	20020228	EX	TPH-gasoline (C7-C12)	1.9	0.94	MG/KG	J	+	S
HBR6L607-SO-202	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.02	1.1	MG/KG	UJ		B1Tr
HBR6L608-SO-203	02-1820	20020228	EX	TPH-gasoline (C7-C12)	0.8	1.6	MG/KG	J	+	STr
Polynuclear Aromatic Hydrocarbons SIM										
HBR6L612-SO-212	02-2040	20020315	CF	2-Methylnaphthalene	43	27	UG/KG	J	+	S

Revetment 7

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q		Reason Code
Modified SW8015 for the Determination of Gasoline Range Organic in Soil and Water, GC/FID										
HBR7L606-SO-189	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.03	0.98	MG/KG	UJ		B1Tr
HBR7L607-SO-190	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.03	1.2	MG/KG	UJ		B1Tr
HBR7L608-SO-191	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.05	1.4	MG/KG	UJ		B1Tr
HBR7L609-SO-192	02-1820	20020228	CF	TPH-gasoline (C7-C12)	0.05	1.4	MG/KG	UJ		B1Tr
HBR7L610-SO-193	02-1820	20020228	CF	TPH-gasoline (C7-C12)	2.6	1.2	MG/KG	J	+	S
Polynuclear Aromatic Hydrocarbons SIM										
HBR7L613-SO-221	02-2040	20020315	CF	Pyrene	93	19	UG/KG	J	+	S
HBR7L613-SO-221	02-2040	20020315	CF	Fluoranthene	110	19	UG/KG	J	+	S
HBR7L613-SO-221	02-2040	20020315	CF	Phenanthrene	89	19	UG/KG	J	+	S
HBR7L613-SO-221	02-2040	20020315	CF	Acenaphthene	11	19	UG/KG	J	+	STr
HBR7L613-SO-221	02-2040	20020315	CF	Anthracene	14	19	UG/KG	J	+	STr

Q: Qualifer CF: Confirmation Sample EX: Excavated Sample SIM: Selected Ion Monitoring

TABLE E-1
Qualified Results by Area and Method
Hamilton Army Air Force Base, Novato California

Revetment 7

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q		Reason Code
Polynuclear Aromatic Hydrocarbons SIM										
HBR7L613-SO-221	02-2040	20020315	CF	Benzo(a)anthracene	50	19	UG/KG	J	+	S
HBR7L613-SO-221	02-2040	20020315	CF	Benzo(a)pyrene	25	19	UG/KG	J	+	S
HBR7L613-SO-221	02-2040	20020315	CF	Chrysene	47	19	UG/KG	J	+	S
HBR7L614-SO-222	02-2040	20020315	CF	Phenanthrene	8	19	UG/KG	J	+	STr
HBR7L614-SO-222	02-2040	20020315	CF	Fluoranthene	10	19	UG/KG	J	+	STr
HBR7L615-SO-223	02-2040	20020315	CF	Pyrene	12	19	UG/KG	J	+	STr
HBR7L615-SO-223	02-2040	20020315	CF	Benzo(a)anthracene	10	19	UG/KG	J	+	STr
HBR7L615-SO-223	02-2040	20020315	CF	Chrysene	17	19	UG/KG	J	+	STr
HBR7L615-SO-223	02-2040	20020315	CF	Phenanthrene	10	19	UG/KG	J	+	STr
HBR7L615-SO-223	02-2040	20020315	CF	Fluoranthene	18	19	UG/KG	J	+	STr
Volatile Organic Compounds by Gas Chromatgraph/Mass Spectrometry (GC/MS): Capillary Column Techniw										
HBR7L606-SO-189	02-1820	20020228	CF	Methylene chloride	5	9.6	UG/KG	UJ		B1Tr
HBR7L606-SO-189	02-1820	20020228	CF	Acetone	15	48	UG/KG	J		CG2Tr
HBR7L607-SO-190	02-1820	20020228	CF	Acetone	99	56	UG/KG	J		CG2
HBR7L607-SO-190	02-1820	20020228	CF	Methylene chloride	4	11	UG/KG	UJ		B1Tr
HBR7L608-SO-191	02-1820	20020228	CF	Methylene chloride	4	12	UG/KG	UJ		B1Tr
HBR7L608-SO-191	02-1820	20020228	CF	Acetone	150	59	UG/KG	J		CG2
HBR7L609-SO-192	02-1820	20020228	CF	Methylene chloride	3	13	UG/KG	UJ		B1Tr
HBR7L609-SO-192	02-1820	20020228	CF	Acetone	59	65	UG/KG	J		CG2Tr
HBR7L610-SO-193	02-1820	20020228	CF	Acetone	22	59	UG/KG	J		CG2Tr
HBR7L610-SO-193	02-1820	20020228	CF	Methylene chloride	3	12	UG/KG	UJ		B1Tr

Spoils Pile F

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q		Reason Code
Polynuclear Aromatic Hydrocarbons SIM										
HBSFL622-SO-171	02-1509	20020205	CF	Indeno(1,2,3-c,d)pyrene	13	24	UG/KG	J		CTr
HBSFL622-SO-171	02-1509	20020205	CF	Fluorene	ND	24	UG/KG	UJ		C
HBSFL622-SO-171	02-1509	20020205	CF	Benzo(g,h,i)perylene	ND	24	UG/KG	UJ		C
Inductively Coupled Plasma atomic Emission Spectroscopy										
HBSFL622-SO-171	02-1509	20020205	CF	Cadmium	0.18	1.7	MG/KG	J		ATr
HBSFL622-SO-171	02-1509	20020205	CF	Arsenic	9.1	1.4	MG/KG	J		A
Organochlorine Pesticides and PCBs as Aroclors by Gas Chromatography Capillary Column Technique										
HBSFL603-SO-103	01-7904	20011227	EX	DDD44	8	5.7	UG/KG	J	+	M
HBSFL603-SO-103	01-7904	20011227	EX	DDE44	13	5.7	UG/KG	J	+	M
HBSFL603-SO-103	01-7904	20011227	EX	DDT44	58	5.7	UG/KG	J	+	M
HBSFL612-SO-132	02-1259	20020117	CF	DDD44	ND	5.5	UG/KG	UJ		L
HBSFL612-SO-133	02-1259	20020117	CF	DDD44	ND	5.5	UG/KG	UJ		L

Q: Qualifer CF: Confirmation Sample EX: Excavated Sample SIM: Selected Ion Monitoring

TABLE E-1
Qualified Results by Area and Method
Hamilton Army Air Force Base, Novato California

Spoils Pile F

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q	Reason Code
Organochlorine Pesticides and PCBs as Aroclors by Gas Chromatography Capillary Column Technique									
HBSFL613-SO-134	02-1259	20020117	CF	DDD44	ND	5.5	UG/KG	UJ	L
HBSFL614-SO-135	02-1259	20020117	CF	DDD44	ND	5.5	UG/KG	UJ	L
HBSFL615-SO-136	02-1259	20020117	CF	DDD44	ND	5.6	UG/KG	UJ	L
HBSFL616-SO-137	02-1259	20020117	CF	DDD44	3	5.2	UG/KG	UJ	LTr
HBSFL617-SO-138	02-1259	20020117	CF	DDD44	0.5	6.1	UG/KG	J -	LTr
HBSFL618-SO-139	02-1259	20020117	CF	DDD44	40	5.3	UG/KG	J -	L
HBSFL619-SO-140	02-1259	20020117	CF	DDD44	29	5.7	UG/KG	J -	L
HBSFL620-SO-141	02-1259	20020117	EX	DDD44	1	5.6	UG/KG	J -	LTr
HBSFL621-SO-147	02-1289	20020121	EX	DDD44	210	26	UG/KG	J -	L
GC/MS for Semivolatile Organics (Capillary Column Technique)									
HBSFL607-SO-107	01-7904	20011227	CF	Dibenzofuran	ND	140	UG/KG	UJ	S
HBSFL612-SO-133	02-1259	20020117	CF	Dibenzofuran	ND	140	UG/KG	UJ	M
HBSFL621-SO-147	02-1289	20020121	EX	Dibenzofuran	ND	130	UG/KG	UJ	M

Transformer Pad Transformer Pad

Sample Identification		Collection Date	Sample Type	Compound Name	Result	Reporting LImit	Units	Q	Reason Code
Modified SW8015 for the Determination of Diesel Range Organic in Soil and Water, GC/FID									
HBTPL602-SO-152	02-1327	20020123	CF	TPH-diesel fuel (C12-C24)	83	2.3	MG/KG	UJ	S
Modified SW8015 for the Determination of Gasoline Range Organic in Soil and Water, GC/FID									
HBTPL601-SO-163	02-1342	20020124	CF	TPH-gasoline (C7-C12)	0.012	1.6	MG/KG	UJ	BTr
HBTPL602-SO-164	02-1342	20020124	CF	TPH-gasoline (C7-C12)	0.012	1.5	MG/KG	UJ	BTr
HBTPL605-SO-167	02-1342	20020124	CF	TPH-gasoline (C7-C12)	0.012	1.6	MG/KG	UJ	BTr
PCBs as Aroclors by Capillary Column Technique Chromatography									
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1260 (Aroclor 1260)	ND	71	UG/KG	UJ	S
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1254 (Aroclor 1254)	ND	71	UG/KG	UJ	S
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1248 (Aroclor 1248)	ND	140	UG/KG	UJ	S
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1242 (Aroclor 1242)	ND	140	UG/KG	UJ	S
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1232 (Aroclor 1232)	ND	140	UG/KG	UJ	S
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1016 (Aroclor 1016)	ND	140	UG/KG	UJ	S
HBTPL602-SO-152	02-1327	20020123	CF	PCB-1221 (Aroclor 1221)	ND	140	UG/KG	UJ	S

Q: Qualifer CF: Confirmation Sample EX: Excavated Sample SIM: Selected Ion Monitoring