EATS STARTUP TEST

INTERNATIONAL TECHNOLOGY CORPORATION

Memorandum

AUGUST 1998

N00296.000539
MOFFETT FIELD
SSIC NO. 5090.3.A.

To: Steve Hickey

Date: 9/29/98

From: Evonne Haik EAH 9/29/98

Project NO. 769574

Subject: Evaluation of two data packages for Moffett EATS project.

A cursory data review was performed on two data packages with service identification numbers 801-984541 and 801-984553 submitted by APCL. The data were reviewed for reporting limits, holding times, blanks, matrix spikes, matrix spikes duplicate, surrogate recoveries, and laboratory control samples.

All target compounds reporting limits met the project specific limits. The QA/QC data met the internal laboratory control limits with the following exception in method 8270 analyses:

- The matrix spike duplicate (MSD) recovery for pentachlorophenol was below the control limit (7%), the matrix spike (MS) was (10%) which is the border line of the low control limit. The low MSD recovery indicate a negative bias which could be attributed to the matrix interference in the sample. The low MSD recovery should have no impact on the quality of the data because The laboratory control sample recoveries for LCS and LCSD were acceptable.

Overall, the data reported for all samples in the two packages are of good quality and usable.

If you have any question, please feel free to contact me at ext. 3145.

EATS
STARTUP SAMPLING
6/20/98
(SAMPDATE)
Hand-loaded
by Tom P.

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

APCL Analytical Report

Submitted to:
International Technology (Martinez)
Attention: Steve Bule
4585 Pacheco Blvd.
Martinez CA 94553
Tel: (510)372-9100 Fax: (510)372-5220

Service ID #: 801-984541
Collected by: J.C/S.H.
Collected on: 08/20/98

Received: 08/21/98
Extracted: 08/25-26/98
Tested: 08/24-09/02/98
Reported: 09/03/98

Sample Description: Water from SP-1-001 Plant Influent
Project Description: 769574.00607090 Moffett-DO70, EATS

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-001 98-04541-1	EATS-SP4-001 98-04541-3
BIOASSAY, 96 HR. LC50 [a]	CF&G/WPCL	mg/L		-	>750
ARSENIC, AS	6010	µg/L	5	2.1J	2.4J
CADMIUM, CD	6010	µg/L	2	<2	<2
CHROMIUM, CR	6010	µg/L	5	1.9J	1.3J
COPPER, CU	6010	µg/L	10	4.4J	3.2J
LEAD, PB	6010	µg/L	5	1.5J	<5
NICKEL, NI	6010	µg/L	5	<5	5.7
SELENIUM, SE	6010	µg/L	10	<10	18.5
SILVER, AG	6010	µg/L	8.2	<8.2	<8.2
ZINC, ZN	6010	µg/L	5	4.5J	7.2

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-001 98-04541-1	EATS-SP2-001 98-04541-2	EATS-SP4-001 98-04541-3	EATS-TRP-001 98-04541-4
Dilution Factor	M8015V			1	1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	0.03J	<0.05	<0.05	<0.05
Dilution Factor	M8015E			1	1	1	1
DIESEL RANGE ORGANICS	M8015E	mg/L	50	<50	<50	<50	-
Dilution Factor	M8015E			1	1	1	1
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	50	<50	<50	<50	-
JP-5	M8015E	mg/L	50	<50	<50	<50	-

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-001 98-04541-1	EATS-SP2-001 98-04541-2	EATS-SP4-001 98-04541-3	EATS-TRP-001 98-04541-4
VOLATILE ORGANICS							
Dilution Factor	8260			1	1	1	1
BENZENE	8260	µg/L	5	<5	<5	<5	<5
BROMOBENZENE	8260	µg/L	5	<5	<5	<5	<5
BROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5	<5
BROMODICHLOROMETHANE	8260	µg/L	5	<5	<5	<5	<5
BROMOFORM	8260	µg/L	5	<5	<5	<5	<5
BROMOMETHANE	8260	µg/L	5	<5	<5	<5	<5
N-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
SEC-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
TERT-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
CARBON TETRACHLORIDE	8260	µg/L	5	<5	<5	<5	<5
CHLOROBENZENE	8260	µg/L	5	<5	<5	<5	<5
DIBROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5	<5
CHLOROETHANE	8260	µg/L	5	<5	<5	<5	<5
CHLOROFORM	8260	µg/L	5	<5	<5	<5	<5
CHLOROMETHANE	8260	µg/L	5	<5	<5	<5	<5
2-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5	<5
4-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	8260	µg/L	5	<5	<5	<5	<5
1,2-DIBROMOETHANE (EDB)	8260	µg/L	5	<5	<5	<5	<5
DIBROMOMETHANE methylene bromide	8260	µg/L	5	<5	<5	<5	<5
1,2-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5	<5
1,3-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5	<5
1,4-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5	<5
DICHLORODIFLUOROMETHANE	8260	µg/L	5	<5	<5	<5	<5
1,1-DICHLOROETHANE	8260	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROETHANE	8260	µg/L	5	<5	<5	<5	<5
1,1-DICHLOROETHENE	8260	µg/L	5	0.4J	<5	<5	<5
CIS-1,2-DICHLOROETHENE	8260	µg/L	0.5	22.1	<0.5	<0.5	<0.5
TRANS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5	<5
1,3-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5	<5
2,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5	<5
1,1-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5	<5
ETHYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
HLXACHLOROBUTADIENE	8260	µg/L	5	<5	<5	<5	<5
ISOPROPYLBENZENE (CUMENE)	8260	µg/L	5	<5	<5	<5	<5
P-ISOPROPYLTOLUENE	8260	µg/L	5	<5	<5	<5	<5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-001 98-04541-1	EATS-SP2-001 98-04541-2	EATS-SP4-001 98-04541-3	EATS-TRP-001 98-04541-4
METHYLENE CHLORIDE	8260	µg/L	5	<5	<5	<5	0.9J
NAPHTHALENE	8260	µg/L	5	<5	<5	<5	<5
N-PROPYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
STYRENE	8260	µg/L	5	<5	<5	<5	<5
1,1,1,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5	<5
TETRACHLOROETHENE	8260	µg/L	0.5	16.1	<0.5	<0.5	<0.5
TOLUENE	8260	µg/L	5	<5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5	<5
TRICHLOROETHENE	8260	µg/L	0.5	14.1	<0.5	<0.5	<0.5
TRICHLOROFLUOROMETHANE	8260	µg/L	5	<5	<5	<5	<5
1,2,3-TRICHLOROPROPANE	8260	µg/L	5	<5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5	<5
VINYL CHLORIDE	8260	µg/L	0.5	2.2	<0.5	<0.5	<0.5
XYLENE (TOTAL)	8260	µg/L	5	<5	<5	<5	<5
SEMI-VOLATILE ORGANICS, ABN FRACTIONS							
Dilution Factor	8270			1	1	1	1
ACENAPHTHENE	8270	µg/L	10	<10	<10	<10	-
ACENAPHTHYLENE	8270	µg/L	10	<10	<10	<10	-
ANTHRACENE	8270	µg/L	10	<10	<10	<10	-
BENZO(A)ANTHRACENE	8270	µg/L	10	<10	<10	<10	-
BENZO(A)PYRENE	8270	µg/L	10	<10	<10	<10	-
BENZO(B)FLUORANTHENE	8270	µg/L	10	<10	<10	<10	-
BENZO(G,H,I)PERYLENE	8270	µg/L	10	<10	<10	<10	-
BENZO(K)FLUORANTHENE	8270	µg/L	10	<10	<10	<10	-
BIS(2-CHLOROETHOXY)METHANE	8270	µg/L	10	<10	<10	<10	-
BIS(2-CHLOROETHYL)ETHER	8270	µg/L	10	1J	2J	<10	-
2,2'-OXYBIS(1-CHLOROPROPANE)	8270	µg/L	10	<10	<10	<10	-
BIS(2-ETHYLHEXYL)PHTHALATE	8270	µg/L	10	<10	<10	<10	-
4-BROMOPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10	-
BUTYL BENZYLPHTHALATE	8270	µg/L	10	<10	<10	<10	-
4-CHLORO-3-METHYLPHENOL	8270	µg/L	20	<20	<20	<20	-
4-CHLOROANILINE	8270	µg/L	20	<20	<20	<20	-
2-CHLORONAPHTHALENE	8270	µg/L	10	<10	<10	<10	-
2-CHLOROPHENOL	8270	µg/L	10	<10	<10	<10	-
4-CHLOROPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10	-
CHRYSENE	8270	µg/L	10	<10	<10	<10	-
DI-N-BUTYLPHTHALATE	8270	µg/L	10	<10	<10	<10	-
DI-N-OCTYLPHTHALATE	8270	µg/L	10	<10	<10	<10	-
DIBENZ(A,H)ANTHRACENE	8270	µg/L	10	<10	<10	<10	-
DIBENZOFURAN	8270	µg/L	10	<10	<10	<10	-

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1,2-DICHLOROBENZENE	8270	μg/L	10	<10	<10	<10	-
1,3-DICHLOROBENZENE	8270	μg/L	10	<10	<10	<10	-
1,4-DICHLOROBENZENE	8270	μg/L	10	<10	<10	<10	-
3,3'-DICHLOROBENZIDINE	8270	μg/L	10	<10	<10	<10	-
2,4-DICHLOROPHENOL	8270	μg/L	10	<10	<10	<10	-
DIETHYLPHTHALATE	8270	μg/L	10	<10	<10	<10	-
DIMETHYLPHTHALATE	8270	μg/L	10	<10	<10	<10	-
2,4-DIMETHYLPHENOL	8270	μg/L	10	<10	<10	<10	-
4,6-DINITRO-2-METHYLPHENOL	8270	μg/L	50	<50	<50	<50	-
2,4-DINITROPHENOL	8270	μg/L	50	<50	<50	<50	-
2,4-DINITROTOLUENE	8270	μg/L	10	<10	<10	<10	-
2,6-DINITROTOLUENE	8270	μg/L	10	<10	<10	<10	-
FLUORANTHENE	8270	μg/L	10	<10	<10	<10	-
FLUORENE	8270	μg/L	10	<10	<10	<10	-
HEXACHLOROBENZENE	8270	μg/L	10	<10	<10	<10	-
HEXACHLOROBUTADIENE	8270	μg/L	10	<10	<10	<10	-
HEXACHLOROCYCLOPENTADIENE	8270	μg/L	10	<10	<10	<10	-
HEXACHLOROETHANE	8270	μg/L	10	<10	<10	<10	-
INDENO(1,2,3-CD)PYRENE	8270	μg/L	10	<10	<10	<10	-
ISOPHORONE	8270	μg/L	10	<10	<10	<10	-
2-METHYLNAPHTHALENE	8270	μg/L	10	<10	<10	<10	-
3/4-METHYLPHENOL (M/P-CRESOL)	8270	μg/L	10	<10	<10	<10	-
2-METHYLPHENOL	8270	μg/L	10	<10	<10	<10	-
NAPHTHALENE	8270	μg/L	10	<10	<10	<10	-
2-NITROANILINE	8270	μg/L	50	<50	<50	<50	-
3-NITROANILINE	8270	μg/L	50	<50	<50	<50	-
4-NITROANILINE	8270	μg/L	50	<50	<50	<50	-
NITROBENZENE	8270	μg/L	10	<10	<10	<10	-
2-NITROPHENOL	8270	μg/L	10	<10	<10	<10	-
4-NITROPHENOL	8270	μg/L	50	<50	<50	<50	-
N-NITROSO-DI-N-PROPYLAMINE	8270	μg/L	10	<10	<10	<10	-
N-NITROSODIPHENYLAMINE (1)	8270	μg/L	10	<10	<10	<10	-
PENTACHLOROPHENOL	8270	μg/L	50	<50	<50	<50	-
PHENANTHRENE	8270	μg/L	10	<10	<10	<10	-
PHENOL	8270	μg/L	10	<10	<10	<10	-
PYRENE	8270	μg/L	10	<10	<10	<10	-
1,2,4-TRICHLOROBENZENE	8270	μg/L	10	<10	<10	<10	-
2,4,5-TRICHLOROPHENOL	8270	μg/L	10	<10	<10	<10	-
2,4,6-TRICHLOROPHENOL	8270	μg/L	10	<10	<10	<10	-

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) According to Title 22, an LC50 value of $\leq$500 mg/L is deemed toxic.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

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APCL QA/QC Report

Submitted to:
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Attention: Steve Bule
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Service ID #: 801-984541
Collected by: J.C/S.H.
Collected on: 08/20/98
Sample description:
Water from SP-1-001 Plant Influent
Project: Moffett-DO70, EATS /769574.00607090

Received: 08/21/98
Tested: 08/24-09/02/98
Reported: 9/14/98

Analysis of Water

801-984541QC

Component Name	Analysis Batch #	ICV (mg/L)	ICV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
METAL Analysis in Water												
Arsenic	98M2000	1.00	101	N.D.	mg/L	0.500	101	106	107	1	75-125	20
Cadmium	98M2000	2.00	100	N.D.	mg/L	0.250	103	105	106	1	75-125	20
Chromium	98M2000	4.00	100	N.D.	mg/L	3.00	102	98	99	1	75-125	20
Copper	98M2000	4.00	99	N.D.	mg/L	1.00	102	104	106	1	75-125	20
Lead	98M2000	1.00	99	N.D.	mg/L	3.00	104	102	104	2	75-125	20
Nickel	98M2000	4.00	100	N.D.	mg/L	1.00	106	103	104	1	75-125	20
Selenium	98M2000	1.00	99	N.D.	mg/L	0.500	104	102	102	0	75-125	20
Silver	98M2000	2.00	100	N.D.	mg/L	1.00	101	99	100	1	75-125	20
Zinc	98M2000	4.00	100	N.D.	mg/L	0.500	105	106	107	1	75-125	20

Component Name	Analysis Batch #	CCV (μg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Gasoline												
Gasoline	98G3699	1000	113	N.D.	mg/L	1.00	101	95	102	7	70-130	30

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
TPH: Diesel												
Diesel	98G3582	1000	110	N.D.	mg/L	1.00	77	77*	83*	8	60-140	50
Motor oil/Lubricate oil	98G3582	1000	105	N.D.	mg/L	-	-	-	-	-	-	-

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Component Name	Analysis Batch #	CCV (μg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Volatile organics												
Vinyl chloride	98G3616	20.0	94	N.D.	μg/L	-	-	-	-	-	-	-
1,1-Dichloroethene	98G3616	20.0	104	N.D.	μg/L	20.0	103	103	96	7	63-137	37
Chloroform	98G3616	20.0	99	N.D.	μg/L	-	-	-	-	-	-	-
Benzene	98G3616	20.0	98	N.D.	μg/L	20.0	100	100	96	4	68-127	29
1,2-Dichloropropane	98G3616	20.0	94	N.D.	μg/L	-	-	-	-	-	-	-
Trichloroethene	98G3616	20.0	104	N.D.	μg/L	20.0	104	102	96	6	71-133	44
Toluene	98G3616	20.0	99	N.D.	μg/L	20.0	101	100	95	5	66-127	30
Chlorobenzene	98G3616	20.0	101	N.D.	μg/L	20.0	100	104	97	7	68-127	30
Ethylbenzene	98G3616	20.0	112	N.D.	μg/L	-	-	-	-	-	-	-

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Semi-VOC, 64 Compounds												
Phenol	98G3595	60.0	107	N.D.	μg/L	100	74	22	23	3	9-109	51
1,4-Dichlorobenzene	98G3595	60.0	101	N.D.	μg/L	50.0	81	56	57	3	21-116	32
2-Nitrophenol	98G3595	60.0	93	N.D.	μg/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	98G3595	60.0	93	N.D.	μg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	98G3595	60.0	92	N.D.	μg/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	98G3595	60.0	100	N.D.	μg/L	100	69	45	45	1	22-116	33
2,4,6-Trichlorophenol	98G3595	60.0	99	N.D.	μg/L	-	-	-	-	-	-	-
Acenaphthene	98G3595	60.0	104	N.D.	μg/L	50.0	71	48	49	4	47-123	39
N-Nitrosodiphenylamine	98G3595	300	95	N.D.	μg/L	-	-	-	-	-	-	-
Pentachlorophenol (PCP)	98G3595	300	91	N.D.	μg/L	100	47	47*	45*	4	10-131	41
Fluoranthene	98G3595	60.0	97	N.D.	μg/L	-	-	-	-	-	-	-
Di-n-octyl phthalate (DOP)	98G3595	60.0	100	N.D.	μg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	98G3595	60.0	100	N.D.	μg/L	-	-	-	-	-	-	-
2-Chlorophenol	98G3595			N.D.	μg/L	100	74	49	51	2	23-117	28
N-Nitroso-di-n-propylamine	98G3595			N.D.	μg/L	50.0	86	61	62	3	11-134	41
1,2,4-Trichlorobenzene	98G3595			N.D.	μg/L	50.0	72	51	52	3	44-111	34
2,4-Dinitrotoluene	98G3595			N.D.	μg/L	50.0	67	40	41	3	39-110	35
4-Nitrophenol	98G3595			N.D.	μg/L	100	56	16	13	18	10-111	50
Pyrene	98G3595			N.D.	μg/L	50.0	69	49	49	1	52-111	29

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

APCL QA/QC Report

*: LCS/LCSD is used.

Notation:

ICV – Initial Calibration Verification
CCV – Continuation Calibration Verification
LCS – Lab Control Spike
MS – Matrix Spike
MSD – Matrix Spike Duplicate
ICS – Interference Check Standard
MD – Matrix Duplicate
N.D. – Not detected or less than PQL
CCB – Continuation Calibration Blank
M-blank – Method Blank
SP Level – Spike Level
%Rec – Recovery Percent
%RPD – Relative Percent Differences
%Diff – Control Limit for %RPD
ICP-SD – ICP Serial Dilution
N.A. – Not Applicable

Respectfully submitted,

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

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Gasoline

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		SDG Number:	984541
Project ID:	Moffett-DO70, EATS	Project No:	769574.00607090	Sample Matrix:	Water
		Batch No:	98G3699		

#	Client Sample No	Lab Sample ID	S1 % #	TOT OUT
1	LABQC	98G3699-MB-01	89	0
2	LABQC	98G3699-LCS-01	91	0
3	LABQC	98G3699-LSD-01	90	0
4	98SY-DP06-1-MS	98-4685-2MS	93	0
5	98SY-DP06-1-MSD	98-4685-2MSD	91	0
6	EATS-SP1-001	98-4541-1	88	0
7	EATS-SP2-001	98-4541-2	93	0
8	EATS-SP4-001	98-4541-3	91	0
9	EATS-TRP-001	98-4541-4	87	0
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	QC Control Limit
S1 = 4-BROMO-FLUOROBENZENE (FID)	75-125

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Diesel

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		Service ID:	984541
Project ID:	Moffett-DO70, EATS	Project No:	769574.00607090	Sample Matrix:	Water
		Batch No:	98G3582		

#	Client Sample No	Lab Sample ID	S1 % #	TOT OUT
1	LABQC	98G3582-MB-01	102	0
2	EATS-SP1-001	98-4541-1	90	0
3	EATS-SP4-001	98-4541-3	81	0
4	LABQC	98G3582-LCS-01	94	0
5	LABQC	98G3582-LSD-01	109	0
6	EATS-SP2-001	98-4541-2	100	0
7				
8				
9				
10				
11				
12				
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14				
15				
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23				
24				
25				

S1 = OCTACOSANE, C_{28}

QC Control Limit
60-140

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Volatile Organics

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		Service ID:	984541
Project ID:	Moffett-DO70, EATS	Project No:	769574.00607090	Sample Matrix:	Water
		Batch No:	98G3616		

#	Client Sample No	Lab Sample ID	S1 % #	S2 % #	S3 % #	S4 % #	TOT OUT
1	LABQC	98G3616-MB-01	97	94	89	96	0
2	LABQC	98G3616-LCS-01	101	102	103	103	0
3	EATS-SP2-004-MS	98-4553-7MS	106	102	97	101	0
4	EATS-SP2-004-MSD	98-4553-7MSD	95	99	98	95	0
5	LABQC	98G3616-MB-02	100	98	88	98	0
6	LABQC	98G3616-LSD-01	99	100	98	97	0
7	EATS-SP1-001	98-4541-1	102	102	103	103	0
8	EATS-SP2-001	98-4541-2	109	98	95	103	0
9	EATS-SP4-001	98-4541-3	109	98	92	99	0
10	EATS-TRP-001	98-4541-4	107	103	99	106	0
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

	QC Control Limit
S1 = 4-BROMO-FLUOROBENZENE (BFB)	86-114
S2 = DIBROMOFLUOROMETHANE	86-117
S3 = 1,2-DICHLOROETHANE-D4	80-119
S4 = TOLUENE-D8	88-109

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Semi-VOC

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		Service ID:	984541
Project ID:	Moffett-DO70, EATS	Project No:	769574.00607090	Sample Matrix:	Water
		Batch No:	98G3595		

#	Client Sample No	Lab Sample ID	S1 % #	S2 % #	S3 % #	S4 % #	S5 % #	S6 % #	TOT OUT
1	EATS-SP2-004-MS	98-4553-7MS	52	44	49	23	23	29	0
2	EATS-SP2-004-MSD	98-4553-7MSD	54	45	50	24	22	30	0
3	LABQC	98G3595-MB-01	76	72	80	87	62	54	0
4	LABQC	98G3595-LCS-01	71	64	70	79	55	54	0
5	LABQC	98G3595-LSD-01	72	64	69	78	51	52	0
6	EATS-SP1-001	98-4541-1	68	59	74	26	25	37	0
7	EATS-SP2-001	98-4541-2	76	66	74	33	30	42	0
8	EATS-SP4-001	98-4541-3	74	70	91	29	25	45	0
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

	QC Control Limit
S1 = NITROBENZENE-D5	35-113
S2 = 2-FLUOROBIPHENYL	43-115
S3 = TERPHENYL-D14	33-140
S4 = PHENOL-D5	10- 93
S5 = 2-FLUOROPHENOL	21- 99
S6 = 2,4,6-TRIBROMOPHENOL	10-122

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document: 495736
Page 1 of 2

Project Name/No. [1] MOFFETT - D070, EATS 769 574.006 07 090
Sample Team Members [2] J.C SH
Profit Center No. [3]
Project Manager [4] STEVE HICKEY
Purchase Order No. [6] 86404
Required Report Date [11] 08/23/98

Samples Shipment Date [7] 08/20/98
Lab Destination [8] APC LAB
Lab Contact [9] JENNA
Project Contact/Phone [12] MARY BOYD/(510) 210-5492
Carrier/Waybill No. [13] GOLDEN STATE OVERNIGHT/

Bill to: [5] IT CORP.
4585 PACHECO BLVD.
MARTINEZ, CA 94553-2233
ATTN: ELMER MOLANO

Report to: [10] STEVE HICKEY
4585 PACHECO BLVD.
MARTINEZ, CA 94553
FAX (510) 372-5220

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]
EATS-SP1-001	SP-1-001 PLANT INFLUENT / WATER	08/20/98 4:00 PM	3x40 mL ~~CLEAR~~ AMB ~~GLASS~~ CR	3x40mL = 120mL	HCl	EPA METHOD 8260	Received on ice	FOR LAB USE ONLY
		08/20/98 400 PM	2x1L AMBER	2x1L = 2L	NONE	" " 8270	Intact	
		08/20/98 400 PM	3x40mL ~~CLEAR GLASS~~ AMBER	3x40mL = 120mL	HCl	" " 8015M	Temp 2°C	
		08/20/98 400 PM	2x1L AMBER	2x1L = 2L	NONE	" " 8015M	Custody Seal	
		08/20/98 400 PM	2x0.5L POLY	2x0.5L = 1L	HNO_3	" " 6010/7000	Intact	FOR LAB USE ONLY
						(ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM, SILVER & ZINC)		

Special Instructions: [23] NOTE: EPA METHOD 6010/7000 MUST REPORT SPECIFIC METALS LISTED

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): SEE WORKPLAN

1. Relinquished by [28] (Signature/Affiliation) S.J. HICKEY — Date: 8/20/98 Time: 17:25	1. Received by [28] (Signature/Affiliation) — Date: 08/21/98 Time: 1100
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: Accompanies samples. YELLOW: Field copy. *See back of form for special instructions.

INTERNATIONAL TECHNOLOGY CORPORATION

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

Reference Document No. 495736
Page 2 of 2

Project Name MOFFETT - D070, EATS ~~769 574.006 07 090~~ Project No. 769 574.006 07 090 Samples Shipment Date 08/20/98

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.
EATS-SP2-001	SP-2-001 STRIPPER EFFLUENT / WATER	08/20/98 1620	3x40mL AMBER ~~CLEAR GLASS~~	3x40mL =120 mL	HCl	EPA METHOD 8260		
		08/20/98 1620	2x1L AMBER	2x1L = 2L	NONE	" " 8270	FOR LAB USE ONLY	
		08/20/98 1620	3x40mL AMBER	3x40mL = 120mL	HCl	" " 8015M		
		08/20/98 1620	2x1L AMBER	2x1L = 2L	NONE	" " 8015M		
EATS-SP4-001 ~~EATS-SP3-003~~	SP-4-001 PLANT EFFLUENT / WATER	08/20/98 1650	3x40mL AMBER	3x40mL =120mL	HCl	EPA METHOD 8260	FOR LAB USE ONLY	
		08/20/98 1650	2x1L AMBER	2x1L = 2L	NONE	" " 8270		
		08/20/98 1650	3x40mL AMBER	3x40mL = 120mL	HCl	" " 8015M	FOR LAB USE ONLY	
		08/20/98 1650	2x1L AMBER	2x1L = 2L	NONE	" " 8015M		
		08/20/98 1650	2x0.5L POLY	2x0.5L = 1L	HNO_3	" " 6010/7000 (ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM, SILVER, ZINC.)	FOR LAB USE ONLY	
		08/20/98 1650	1L POLY	1L	NONE	96 HOUR FISH TOXICITY	FOR LAB USE ONLY	
~~EATS-TRP~~ EATS-TRP-001	~~TRIP 1~~	08/20/98	1x40mL AMBER	1x40mL	~~NONE~~			
EATS-TRP-001	TRIP BLANK1	08/20/98 JC ~~1600~~ 1600	1x40mL AMBER	1x40mL	HCl	EPA METHOD 8015M-GAS, 8260, 8270	FOR LAB USE ONLY	
EATS-TMP-001	TEMP BLANK1	08/20/98 1600	1x40mL GLASS	1x40mL	NONE			
							FOR LAB USE ONLY	

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

MCA 3/15/91

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

APCL Analytical Report

Submitted to:
International Technology (Martinez)
Attention: Steve Bule
4585 Pacheco Blvd.
Martinez CA 94553
Tel: (510)372-9100 Fax: (510)372-5220

Service ID #: 801-984553
Collected by: J.C./M.B.
Collected on: 08/20-21/98

Received: 08/22/98
Extracted: 08/25/98
Tested: 08/26-28/98
Reported: 08/28/98

Sample Description: Water
Project Description: 769 574.006 07090 Moffett-DO70,EATS

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-002 98-04553-1	EATS-SP1-003 98-04553-2	EATS-SP1-004 98-04553-3
ARSENIC, AS	6010	µg/L	5	<5	<5	<5
CADMIUM, CD	6010	µg/L	2	<2	<2	<2
CHROMIUM, CR	6010	µg/L	5	0.95J	0.78J	1.1J
COPPER, CU	6010	µg/L	10	3.9J	1.9J	3.1J
LEAD, PB	6010	µg/L	5	<5	<5	6.5
NICKEL, NI	6010	µg/L	5	2.3J	2.6J	2.6J
SELENIUM, SE	6010	µg/L	10	<10	<10	<10
SILVER, AG	6010	µg/L	8.2	<8.2	<8.2	<8.2
ZINC, ZN	6010	µg/L	5	<5	<5	3.0J
Dilution Factor	M8015E			1	1	1
DIESEL RANGE ORGANICS	M8015E	mg/L	50	<50	<50	<50
JP-5	M8015E	mg/L	50	<50	<50	<50
Dilution Factor	M8015E			1	1	1
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	0.1	<0.1	<0.1	<0.1
SEMI-VOLATILE ORGANICS, ABN FRACTIONS						
Dilution Factor	8270			1	1	1
ACENAPHTHENE	8270	µg/L	10	<10	<10	<10
ACENAPHTHYLENE	8270	µg/L	10	<10	<10	<10
ANTHRACENE	8270	µg/L	10	<10	<10	<10
BENZO(A)ANTHRACENE	8270	µg/L	10	<10	<10	<10
BENZO(A)PYRENE	8270	µg/L	10	<10	<10	<10
BENZO(B)FLUORANTHENE	8270	µg/L	10	<10	<10	<10
BENZO(G,H,I)PERYLENE	8270	µg/L	10	<10	<10	<10
BENZO(K)FLUORANTHENE	8270	µg/L	10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	8270	µg/L	10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	8270	µg/L	10	<10	<10	<10
2,2'-OXYBIS(1-CHLOROPROPANE)	8270	µg/L	10	<10	<10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	8270	µg/L	10	<10	<10	<10
4-BROMOPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10
BUTYL BENZYLPHTHALATE	8270	µg/L	10	<10	<10	<10
CARBAZOLE	8270	µg/L	10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	8270	µg/L	20	<20	<20	<20
4-CHLOROANILINE	8270	µg/L	20	<20	<20	<20

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-002 98-04553-1	EATS-SP1-003 98-04553-2	EATS-SP1-004 98-04553-3
2-CHLORONAPHTHALENE	8270	µg/L	10	<10	<10	<10
2-CHLOROPHENOL	8270	µg/L	10	<10	<10	<10
4-CHLOROPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10
CHRYSENE	8270	µg/L	10	<10	<10	<10
DI-N-BUTYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DI-N-OCTYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	8270	µg/L	10	<10	<10	<10
DIBENZOFURAN	8270	µg/L	10	<10	<10	<10
1,2-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
1,3-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
1,4-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	8270	µg/L	10	<10	<10	<10
2,4-DICHLOROPHENOL	8270	µg/L	10	<10	<10	<10
DIETHYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DIMETHYLPHTHALATE	8270	µg/L	10	<10	<10	<10
2,4-DIMETHYLPHENOL	8270	µg/L	10	<10	<10	<10
4,6-DINITRO-2-METHYLPHENOL	8270	µg/L	50	<50	<50	<50
2,4-DINITROPHENOL	8270	µg/L	50	<50	<50	<50
2,4-DINITROTOLUENE	8270	µg/L	10	<10	<10	<10
2,6-DINITROTOLUENE	8270	µg/L	10	<10	<10	<10
FLUORANTHENE	8270	µg/L	10	<10	<10	<10
FLUORENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROBENZENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROBUTADIENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROETHANE	8270	µg/L	10	<10	<10	<10
INDENO(1,2,3-CD)PYRENE	8270	µg/L	10	<10	<10	<10
ISOPHORONE	8270	µg/L	10	<10	<10	<10
2-METHYLNAPHTHALENE	8270	µg/L	10	<10	<10	<10
3/4-METHYLPHENOL (M/P-CRESOL)	8270	µg/L	10	<10	<10	<10
2-METHYLPHENOL	8270	µg/L	10	<10	<10	<10
NAPHTHALENE	8270	µg/L	10	<10	<10	<10
2-NITROANILINE	8270	µg/L	50	<50	<50	<50
3-NITROANILINE	8270	µg/L	50	<50	<50	<50
4-NITROANILINE	8270	µg/L	50	<50	<50	<50
NITROBENZENE	8270	µg/L	10	<10	<10	<10
2-NITROPHENOL	8270	µg/L	10	<10	<10	<10
4-NITROPHENOL	8270	µg/L	50	<50	<50	<50
N-NITROSO-DI-N-PROPYLAMINE	8270	µg/L	10	<10	<10	<10
N-NITROSODIPHENYLAMINE (1)	8270	µg/L	10	<10	<10	<10
PENTACHLOROPHENOL	8270	µg/L	50	<50	<50	<50
PHENANTHRENE	8270	µg/L	10	<10	<10	<10
PHENOL	8270	µg/L	10	<10	<10	<10
PYRENE	8270	µg/L	10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
2,4,5-TRICHLOROPHENOL	8270	µg/L	10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	8270	µg/L	10	<10	<10	<10

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

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-004DUP 98-04553-4	EATS-SP4-002 98-04553-8	EATS-SP4-003 98-04553-9
BIOASSAY, 96 HR. LC50 [a]	CF&G/WPCL	mg/L		-	>750	>750
ARSENIC, AS	6010	µg/L	5	<5	<5	<5
CADMIUM, CD	6010	µg/L	2	<2	<2	<2
CHROMIUM, CR	6010	µg/L	5	0.97J	0.30J	<5
COPPER, CU	6010	µg/L	10	2.0J	<10	1.7J
LEAD, PB	6010	µg/L	5	<5	<5	<5
NICKEL, NI	6010	µg/L	5	2.4J	9.1	25.1
SELENIUM, SE	6010	µg/L	10	<10	7.4J	5.7J
SILVER, AG	6010	µg/L	8.2	<8.2	0.71J	<8.2
ZINC, ZN	6010	µg/L	5	2.1J	<5	<5
Dilution Factor	M8015E			1	1	1
DIESEL RANGE ORGANICS	M8015E	mg/L	50	<50	<50	<50
JP-5	M8015E	mg/L	50	<50	<50	<50
Dilution Factor	M8015E			1	1	1
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	0.1	<0.1	<0.1	<0.1
SEMI-VOLATILE ORGANICS, ABN FRACTIONS						
Dilution Factor	8270			1	1	1
ACENAPHTHENE	8270	µg/L	10	<10	<10	<10
ACENAPHTHYLENE	8270	µg/L	10	<10	<10	<10
ANTHRACENE	8270	µg/L	10	<10	<10	<10
BENZO(A)ANTHRACENE	8270	µg/L	10	<10	<10	<10
BENZO(A)PYRENE	8270	µg/L	10	<10	<10	<10
BENZO(B)FLUORANTHENE	8270	µg/L	10	<10	<10	<10
BENZO(G,H,I)PERYLENE	8270	µg/L	10	<10	<10	<10
BENZO(K)FLUORANTHENE	8270	µg/L	10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	8270	µg/L	10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	8270	µg/L	10	<10	<10	<10
2,2'-OXYBIS(1-CHLOROPROPANE)	8270	µg/L	10	<10	<10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	8270	µg/L	10	<10	<10	<10
4-BROMOPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10
BUTYL BENZYLPHTHALATE	8270	µg/L	10	<10	<10	<10
CARBAZOLE	8270	µg/L	10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	8270	µg/L	20	<20	<20	<20
4-CHLOROANILINE	8270	µg/L	20	<20	<20	<20
2-CHLORONAPHTHALENE	8270	µg/L	10	<10	<10	<10
2-CHLOROPHENOL	8270	µg/L	10	<10	<10	<10
4-CHLOROPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10
CHRYSENE	8270	µg/L	10	<10	<10	<10
DI-N-BUTYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DI-N-OCTYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	8270	µg/L	10	<10	<10	<10
DIBENZOFURAN	8270	µg/L	10	<10	<10	<10
1,2-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
1,3-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
1,4-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	8270	µg/L	10	<10	<10	<10
2,4-DICHLOROPHENOL	8270	µg/L	10	<10	<10	<10
DIETHYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DIMETHYLPHTHALATE	8270	µg/L	10	<10	<10	<10
2,4-DIMETHYLPHENOL	8270	µg/L	10	<10	<10	<10
4,6-DINITRO-2-METHYLPHENOL	8270	µg/L	50	<50	<50	<50

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-004DUP 98-04553-4	EATS-SP4-002 98-04553-8	EATS-SP4-003 98-04553-9
2,4-DINITROPHENOL	8270	µg/L	50	<50	<50	<50
2,4-DINITROTOLUENE	8270	µg/L	10	<10	<10	<10
2,6-DINITROTOLUENE	8270	µg/L	10	<10	<10	<10
FLUORANTHENE	8270	µg/L	10	<10	<10	<10
FLUORENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROBENZENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROBUTADIENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	8270	µg/L	10	<10	<10	<10
HEXACHLOROETHANE	8270	µg/L	10	<10	<10	<10
INDENO(1,2,3-CD)PYRENE	8270	µg/L	10	<10	<10	<10
ISOPHORONE	8270	µg/L	10	<10	<10	<10
2-METHYLNAPHTHALENE	8270	µg/L	10	<10	<10	<10
3/4-METHYLPHENOL (M/P-CRESOL)	8270	µg/L	10	<10	<10	<10
2-METHYLPHENOL	8270	µg/L	10	<10	<10	<10
NAPHTHALENE	8270	µg/L	10	<10	<10	<10
2-NITROANILINE	8270	µg/L	50	<50	<50	<50
3-NITROANILINE	8270	µg/L	50	<50	<50	<50
4-NITROANILINE	8270	µg/L	50	<50	<50	<50
NITROBENZENE	8270	µg/L	10	<10	<10	<10
2-NITROPHENOL	8270	µg/L	10	<10	<10	<10
4-NITROPHENOL	8270	µg/L	50	<50	<50	<50
N-NITROSO-DI-N-PROPYLAMINE	8270	µg/L	10	<10	<10	<10
N-NITROSODIPHENYLAMINE (1)	8270	µg/L	10	<10	<10	<10
PENTACHLOROPHENOL	8270	µg/L	50	<50	<50	<50
PHENANTHRENE	8270	µg/L	10	<10	<10	<10
PHENOL	8270	µg/L	10	<10	<10	<10
PYRENE	8270	µg/L	10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
2,4,5-TRICHLOROPHENOL	8270	µg/L	10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	8270	µg/L	10	<10	<10	<10

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP4-004 98-04553-10	EATS-SP4-004DUP 98-04553-11
BIOASSAY, 96 HR. LC50 [a]	CF&G/WPCL	mg/L		>750	>750
ARSENIC, AS	6010	µg/L	5	<5	<5
CADMIUM, CD	6010	µg/L	2	<2	<2
CHROMIUM, CR	6010	µg/L	5	<5	<5
COPPER, CU	6010	µg/L	10	2.9J	2.4J
LEAD, PB	6010	µg/L	5	<5	<5
NICKEL, NI	6010	µg/L	5	35.4	36.9
SELENIUM, SE	6010	µg/L	10	8.3J	7.3J
SILVER, AG	6010	µg/L	8.2	0.96J	<8.2
ZINC, ZN	6010	µg/L	5	<5	<5
Dilution Factor	M8015E			1	1
DIESEL RANGE ORGANICS	M8015E	mg/L	50	<50	<50
JP-5	M8015E	mg/L	50	<50	<50
Dilution Factor	M8015E			1	1
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	0.1	0.06J	<0.1

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP4-004 98-04553-10	EATS-SP4-004DUP 98-04553-11
SEMI-VOLATILE ORGANICS, ABN FRACTIONS					
Dilution Factor	8270			1	1
ACENAPHTHENE	8270	µg/L	10	<10	<10
ACENAPHTHYLENE	8270	µg/L	10	<10	<10
ANTHRACENE	8270	µg/L	10	<10	<10
BENZO(A)ANTHRACENE	8270	µg/L	10	<10	<10
BENZO(A)PYRENE	8270	µg/L	10	<10	<10
BENZO(B)FLUORANTHENE	8270	µg/L	10	<10	<10
BENZO(G,H,I)PERYLENE	8270	µg/L	10	<10	<10
BENZO(K)FLUORANTHENE	8270	µg/L	10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	8270	µg/L	10	<10	<10
BIS(2-CHLOROETHYL)ETHER	8270	µg/L	10	<10	<10
2,2'-OXYBIS(1-CHLOROPROPANE)	8270	µg/L	10	<10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	8270	µg/L	10	<10	<10
4-BROMOPHENYLPHENYLETHER	8270	µg/L	10	<10	<10
BUTYL BENZYLPHTHALATE	8270	µg/L	10	<10	<10
CARBAZOLE	8270	µg/L	10	<10	<10
4-CHLORO-3-METHYLPHENOL	8270	µg/L	20	<20	<20
4-CHLOROANILINE	8270	µg/L	20	<20	<20
2-CHLORONAPHTHALENE	8270	µg/L	10	<10	<10
2-CHLOROPHENOL	8270	µg/L	10	<10	<10
4-CHLOROPHENYLPHENYLETHER	8270	µg/L	10	<10	<10
CHRYSENE	8270	µg/L	10	<10	<10
DI-N-BUTYLPHTHALATE	8270	µg/L	10	<10	<10
DI-N-OCTYLPHTHALATE	8270	µg/L	10	<10	<10
DIBENZ(A,H)ANTHRACENE	8270	µg/L	10	<10	<10
DIBENZOFURAN	8270	µg/L	10	<10	<10
1,2-DICHLOROBENZENE	8270	µg/L	10	<10	<10
1,3-DICHLOROBENZENE	8270	µg/L	10	<10	<10
1,4-DICHLOROBENZENE	8270	µg/L	10	<10	<10
3,3'-DICHLOROBENZIDINE	8270	µg/L	10	<10	<10
2,4-DICHLOROPHENOL	8270	µg/L	10	<10	<10
DIETHYLPHTHALATE	8270	µg/L	10	<10	<10
DIMETHYLPHTHALATE	8270	µg/L	10	<10	<10
2,4-DIMETHYLPHENOL	8270	µg/L	10	<10	<10
4,6-DINITRO-2-METHYLPHENOL	8270	µg/L	50	<50	<50
2,4-DINITROPHENOL	8270	µg/L	50	<50	<50
2,4-DINITROTOLUENE	8270	µg/L	10	<10	<10
2,6-DINITROTOLUENE	8270	µg/L	10	<10	<10
FLUORANTHENE	8270	µg/L	10	<10	<10
FLUORENE	8270	µg/L	10	<10	<10

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP4-004 98-04553-10	EATS-SP4-004DUP 98-04553-11
HEXACHLOROBENZENE	8270	µg/L	10	<10	<10
HEXACHLOROBUTADIENE	8270	µg/L	10	<10	<10
HEXACHLOROCYCLOPENTADIENE	8270	µg/L	10	<10	<10
HEXACHLOROETHANE	8270	µg/L	10	<10	<10
INDENO(1,2,3-CD)PYRENE	8270	µg/L	10	<10	<10
ISOPHORONE	8270	µg/L	10	<10	<10
2-METHYLNAPHTHALENE	8270	µg/L	10	<10	<10
3/4-METHYLPHENOL (M/P-CRESOL)	8270	µg/L	10	<10	<10
2-METHYLPHENOL	8270	µg/L	10	<10	<10
NAPHTHALENE	8270	µg/L	10	<10	<10
2-NITROANILINE	8270	µg/L	50	<50	<50
3-NITROANILINE	8270	µg/L	50	<50	<50
4-NITROANILINE	8270	µg/L	50	<50	<50
NITROBENZENE	8270	µg/L	10	<10	<10
2-NITROPHENOL	8270	µg/L	10	<10	<10
4-NITROPHENOL	8270	µg/L	50	<50	<50
N-NITROSO-DI-N-PROPYLAMINE	8270	µg/L	10	<10	<10
N-NITROSODIPHENYLAMINE (1)	8270	µg/L	10	<10	<10
PENTACHLOROPHENOL	8270	µg/L	50	<50	<50
PHENANTHRENE	8270	µg/L	10	<10	<10
PHENOL	8270	µg/L	10	<10	<10
PYRENE	8270	µg/L	10	<10	<10
1,2,4-TRICHLOROBENZENE	8270	µg/L	10	<10	<10
2,4,5-TRICHLOROPHENOL	8270	µg/L	10	<10	<10
2,4,6-TRICHLOROPHENOL	8270	µg/L	10	<10	<10

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-002 98-04553-1	EATS-SP1-003 98-04553-2	EATS-SP1-004 98-04553-3
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	0.02J	0.01J	0.01J

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-002 98-04553-1	EATS-SP1-003 98-04553-2	EATS-SP1-004 98-04553-3
VOLATILE ORGANICS						
Dilution Factor	8260			1	1	1
BENZENE	8260	µg/L	5	<5	<5	<5
BROMOBENZENE	8260	µg/L	5	<5	<5	<5
BROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMODICHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMOFORM	8260	µg/L	5	<5	<5	<5
BROMOMETHANE	8260	µg/L	5	<5	<5	<5
N-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
SEC-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
TERT-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
CARBON TETRACHLORIDE	8260	µg/L	5	<5	<5	<5
CHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DIBROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
CHLOROETHANE	8260	µg/L	5	<5	<5	<5
CHLOROFORM	8260	µg/L	5	<5	<5	<5
CHLOROMETHANE	8260	µg/L	5	<5	<5	<5
2-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
4-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DB	8260	µg/L	5	<5	<5	<5
1,2-DIBROMOETHANE (EDB)	8260	µg/L	5	<5	<5	<5
DIBROMOMETHANE	8260	µg/L	5	<5	<5	<5
1,2-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,4-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DICHLORODIFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHANE	8260	µg/L	0.5	1.0	<0.5	<0.5
1,2-DICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHENE	8260	µg/L	5	1J	0.9J	1J
CIS-1,2-DICHLOROETHENE	8260	µg/L	0.5	20.2	20.4	20.7
TRANS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	0.7	0.7
1,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
2,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
ETHYLBENZENE	8260	µg/L	5	<5	<5	<5
HEXACHLOROBUTADIENE	8260	µg/L	5	<5	<5	<5
ISOPROPYLBENZENE (CUMENE)	8260	µg/L	5	<5	<5	<5
P-ISOPROPYLTOLUENE	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-002 98-04553-1	EATS-SP1-003 98-04553-2	EATS-SP1-004 98-04553-3
METHYLENE CHLORIDE	8260	µg/L	5	0.4J	0.7J	<5
NAPHTHALENE	8260	µg/L	5	<5	<5	<5
N-PROPYLBENZENE	8260	µg/L	5	<5	<5	<5
STYRENE	8260	µg/L	5	<5	<5	<5
1,1,1,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
TETRACHLOROETHENE	8260	µg/L	0.5	14.7	17.8	15.8
TOLUENE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,1,1-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
TRICHLOROETHENE	8260	µg/L	0.5	12.6	12.9	13.1
TRICHLOROFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
VINYL CHLORIDE	8260	µg/L	0.5	2.4	2.3	2.4
XYLENE (TOTAL)	8260	µg/L	5	<5	<5	<5

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-004DUP 98-04553-4	EATS-SP2-002 98-04553-5	EATS-SP2-003 98-04553-6
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	<0.05	<0.05	<0.05
VOLATILE ORGANICS						
Dilution Factor	8260			1	1	1
BENZENE	8260	µg/L	5	<5	<5	<5
BROMOBENZENE	8260	µg/L	5	<5	<5	<5
BROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMODICHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMOFORM	8260	µg/L	5	<5	<5	<5
BROMOMETHANE	8260	µg/L	5	<5	<5	<5
N-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
SEC-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
TERT-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
CARBON TETRACHLORIDE	8260	µg/L	5	<5	<5	<5
CHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DIBROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
CHLOROETHANE	8260	µg/L	5	<5	<5	<5
CHLOROFORM	8260	µg/L	5	<5	<5	<5
CHLOROMETHANE	8260	µg/L	5	<5	<5	<5
2-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
4-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DB	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP1-004DUP 98-04553-4	EATS-SP2-002 98-04553-5	EATS-SP2-003 98-04553-6
1,2-DIBROMOETHANE (EDB)	8260	µg/L	5	<5	<5	<5
DIBROMOMETHANE	8260	µg/L	5	<5	<5	<5
1,2-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,4-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DICHLORODIFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHANE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHENE	8260	µg/L	5	0.6J	<5	<5
CIS-1,2-DICHLOROETHENE	8260	µg/L	0.5	20.9	<0.5	<0.5
TRANS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
2,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
ETHYLBENZENE	8260	µg/L	5	<5	<5	<5
HEXACHLOROBUTADIENE	8260	µg/L	5	<5	<5	<5
ISOPROPYLBENZENE (CUMENE)	8260	µg/L	5	<5	<5	<5
P-ISOPROPYLTOLUENE	8260	µg/L	5	<5	<5	<5
METHYLENE CHLORIDE	8260	µg/L	5	<5	<5	<5
NAPHTHALENE	8260	µg/L	5	<5	<5	<5
N-PROPYLBENZENE	8260	µg/L	5	<5	<5	<5
STYRENE	8260	µg/L	5	<5	<5	<5
1,1,1,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
TETRACHLOROETHENE	8260	µg/L	0.5	15.9	<0.5	<0.5
TOLUENE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,1,1-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
TRICHLOROETHENE	8260	µg/L	0.5	13.3	<0.5	<0.5
TRICHLOROFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
VINYL CHLORIDE	8260	µg/L	0.5	2.3	<0.5	<0.5
XYLENE (TOTAL)	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP2-004 98-04553-7	EATS-SP4-002 98-04553-8	EATS-SP4-003 98-04553-9
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	<0.05	<0.05	<0.05
VOLATILE ORGANICS						
Dilution Factor	8260			1	1	1
BENZENE	8260	µg/L	5	<5	<5	<5
BROMOBENZENE	8260	µg/L	5	<5	<5	<5
BROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMODICHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMOFORM	8260	µg/L	5	<5	<5	<5
BROMOMETHANE	8260	µg/L	5	<5	<5	<5
N-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
SEC-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
TERT-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
CARBON TETRACHLORIDE	8260	µg/L	5	<5	<5	<5
CHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DIBROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
CHLOROETHANE	8260	µg/L	5	<5	<5	<5
CHLOROFORM	8260	µg/L	5	<5	<5	<5
CHLOROMETHANE	8260	µg/L	5	<5	<5	<5
2-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
4-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DB	8260	µg/L	5	<5	<5	<5
1,2-DIBROMOETHANE (EDB)	8260	µg/L	5	<5	<5	<5
DIBROMOMETHANE	8260	µg/L	5	<5	<5	<5
1,2-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,4-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DICHLORODIFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHANE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHENE	8260	µg/L	5	<5	<5	<5
CIS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TRANS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
2,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
ETHYLBENZENE	8260	µg/L	5	<5	<5	<5
HEXACHLOROBUTADIENE	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP2-004 98-04553-7	EATS-SP4-002 98-04553-8	EATS-SP4-003 98-04553-9
ISOPROPYLBENZENE (CUMENE)	8260	µg/L	5	<5	<5	<5
P-ISOPROPYLTOLUENE	8260	µg/L	5	<5	<5	<5
METHYLENE CHLORIDE	8260	µg/L	5	<5	<5	<5
NAPHTHALENE	8260	µg/L	5	<5	<5	<5
N-PROPYLBENZENE	8260	µg/L	5	<5	<5	<5
STYRENE	8260	µg/L	5	<5	<5	<5
1,1,1,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
TETRACHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TOLUENE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,1,1-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
TRICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
VINYL CHLORIDE	8260	µg/L	0.5	<0.5	<0.5	<0.5
XYLENE (TOTAL)	8260	µg/L	5	<5	<5	<5

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP4-004 98-04553-10	EATS-SP4-004DUP 98-04553-11	EATS-TRP-002 98-04553-12
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	<0.05	0.01J	<0.05
VOLATILE ORGANICS						
Dilution Factor	8260			1	1	1
BENZENE	8260	µg/L	5	<5	<5	<5
BROMOBENZENE	8260	µg/L	5	<5	<5	<5
BROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMODICHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMOFORM	8260	µg/L	5	<5	<5	<5
BROMOMETHANE	8260	µg/L	5	<5	<5	<5
N-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
SEC-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
TERT-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
CARBON TETRACHLORIDE	8260	µg/L	5	<5	<5	<5
CHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DIBROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
CHLOROETHANE	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP4-004 98-04553-10	EATS-SP4-004DUP 98-04553-11	EATS-TRP-002 98-04553-12
CHLOROFORM	8260	µg/L	5	<5	<5	<5
CHLOROMETHANE	8260	µg/L	5	<5	<5	<5
2-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
4-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DB	8260	µg/L	5	<5	<5	<5
1,2-DIBROMOETHANE (EDB)	8260	µg/L	5	<5	<5	<5
DIBROMOMETHANE	8260	µg/L	5	<5	<5	<5
1,2-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,4-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DICHLORODIFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHANE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHENE	8260	µg/L	5	<5	<5	<5
CIS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TRANS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
2,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
ETHYLBENZENE	8260	µg/L	5	<5	<5	<5
HEXACHLOROBUTADIENE	8260	µg/L	5	<5	<5	<5
ISOPROPYLBENZENE (CUMENE)	8260	µg/L	5	<5	<5	<5
P-ISOPROPYLTOLUENE	8260	µg/L	5	<5	<5	1J
METHYLENE CHLORIDE	8260	µg/L	5	<5	<5	<5
NAPHTHALENE	8260	µg/L	5	<5	<5	<5
N-PROPYLBENZENE	8260	µg/L	5	<5	<5	<5
STYRENE	8260	µg/L	5	<5	<5	<5
1,1,1,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
TETRACHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TOLUENE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,1,1-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
TRICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
VINYL CHLORIDE	8260	µg/L	0.5	<0.5	<0.5	<0.5
XYLENE (TOTAL)	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-TRP-003 98-04553-13	EATS-TRP-004 98-04553-14	EATS-TRP-004DUP 98-04553-15
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	<0.05	<0.05	<0.05
VOLATILE ORGANICS						
Dilution Factor	8260			1	1	1
BENZENE	8260	µg/L	5	<5	<5	<5
BROMOBENZENE	8260	µg/L	5	<5	<5	<5
BROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMODICHLOROMETHANE	8260	µg/L	5	<5	<5	<5
BROMOFORM	8260	µg/L	5	<5	<5	<5
BROMOMETHANE	8260	µg/L	5	<5	<5	<5
N-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
SEC-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
TERT-BUTYLBENZENE	8260	µg/L	5	<5	<5	<5
CARBON TETRACHLORIDE	8260	µg/L	5	<5	<5	<5
CHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DIBROMOCHLOROMETHANE	8260	µg/L	5	<5	<5	<5
CHLOROETHANE	8260	µg/L	5	<5	<5	<5
CHLOROFORM	8260	µg/L	5	<5	<5	<5
CHLOROMETHANE	8260	µg/L	5	<5	<5	<5
2-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
4-CHLOROTOLUENE	8260	µg/L	5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DB	8260	µg/L	5	<5	<5	<5
1,2-DIBROMOETHANE (EDB)	8260	µg/L	5	<5	<5	<5
DIBROMOMETHANE	8260	µg/L	5	<5	<5	<5
1,2-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,4-DICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
DICHLORODIFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHANE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROETHENE	8260	µg/L	5	<5	<5	<5
CIS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TRANS-1,2-DICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,3-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
2,2-DICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,1-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
CIS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	8260	µg/L	5	<5	<5	<5
ETHYLBENZENE	8260	µg/L	5	<5	<5	<5
HEXACHLOROBUTADIENE	8260	µg/L	5	<5	<5	<5

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-TRP-003 98-04553-13	EATS-TRP-004 98-04553-14	EATS-TRP-004DUP 98-04553-15
ISOPROPYLBENZENE (CUMENE)	8260	µg/L	5	<5	<5	<5
P-ISOPROPYLTOLUENE	8260	µg/L	5	<5	<5	<5
METHYLENE CHLORIDE	8260	µg/L	5	1J	0.8J	1J
NAPHTHALENE	8260	µg/L	5	<5	<5	<5
N-PROPYLBENZENE	8260	µg/L	5	<5	<5	<5
STYRENE	8260	µg/L	5	<5	<5	<5
1,1,1,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	8260	µg/L	5	<5	<5	<5
TETRACHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TOLUENE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	8260	µg/L	5	<5	<5	<5
1,1,1-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
1,1,2-TRICHLOROETHANE	8260	µg/L	5	<5	<5	<5
TRICHLOROETHENE	8260	µg/L	0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROMETHANE	8260	µg/L	5	<5	<5	<5
1,2,3-TRICHLOROPROPANE	8260	µg/L	5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	8260	µg/L	5	<5	<5	<5
VINYL CHLORIDE	8260	µg/L	0.5	<0.5	<0.5	<0.5
XYLENE (TOTAL)	8260	µg/L	5	<5	<5	<5

Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP2-002 98-04553-5	EATS-SP2-003 98-04553-6	EATS-SP2-004 98-04553-7
Dilution Factor	M8015E			1	1	1
DIESEL RANGE ORGANICS	M8015E	mg/L	50	<50	<50	<50
JP-5	M8015E	mg/L	50	<50	<50	<50
Dilution Factor	M8015E			1	1	1
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	0.1	<0.1	<0.1	<0.1

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP2-002 98-04553-5	EATS-SP2-003 98-04553-6	EATS-SP2-004 98-04553-7
SEMI-VOLATILE ORGANICS, ABN FRACTIONS						
Dilution Factor	8270			1	1	1
ACENAPHTHENE	8270	µg/L	10	<10	<10	<10
ACENAPHTHYLENE	8270	µg/L	10	<10	<10	<10
ANTHRACENE	8270	µg/L	10	<10	<10	<10
BENZO(A)ANTHRACENE	8270	µg/L	10	<10	<10	<10
BENZO(A)PYRENE	8270	µg/L	10	<10	<10	<10
BENZO(B)FLUORANTHENE	8270	µg/L	10	<10	<10	<10
BENZO(G,H,I)PERYLENE	8270	µg/L	10	<10	<10	<10
BENZO(K)FLUORANTHENE	8270	µg/L	10	<10	<10	<10
BIS(2-CHLOROETHOXY)METHANE	8270	µg/L	10	<10	<10	<10
BIS(2-CHLOROETHYL)ETHER	8270	µg/L	10	<10	<10	<10
2,2'-OXYBIS(1-CHLOROPROPANE)	8270	µg/L	10	<10	<10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	8270	µg/L	10	<10	<10	<10
4-BROMOPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10
BUTYL BENZYLPHTHALATE	8270	µg/L	10	<10	<10	<10
CARBAZOLE	8270	µg/L	10	<10	<10	<10
4-CHLORO-3-METHYLPHENOL	8270	µg/L	20	<20	<20	<20
4-CHLOROANILINE	8270	µg/L	20	<20	<20	<20
2-CHLORONAPHTHALENE	8270	µg/L	10	<10	<10	<10
2-CHLOROPHENOL	8270	µg/L	10	<10	<10	<10
4-CHLOROPHENYLPHENYLETHER	8270	µg/L	10	<10	<10	<10
CHRYSENE	8270	µg/L	10	<10	<10	<10
DI-N-BUTYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DI-N-OCTYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DIBENZ(A,H)ANTHRACENE	8270	µg/L	10	<10	<10	<10
DIBENZOFURAN	8270	µg/L	10	<10	<10	<10
1,2-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
1,3-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
1,4-DICHLOROBENZENE	8270	µg/L	10	<10	<10	<10
3,3'-DICHLOROBENZIDINE	8270	µg/L	10	<10	<10	<10
2,4-DICHLOROPHENOL	8270	µg/L	10	<10	<10	<10
DIETHYLPHTHALATE	8270	µg/L	10	<10	<10	<10
DIMETHYLPHTHALATE	8270	µg/L	10	<10	<10	<10
2,4-DIMETHYLPHENOL	8270	µg/L	10	<10	<10	<10
4,6-DINITRO-2-METHYLPHENOL	8270	µg/L	50	<50	<50	<50
2,4-DINITROPHENOL	8270	µg/L	50	<50	<50	<50
2,4-DINITROTOLUENE	8270	µg/L	10	<10	<10	<10
2,6-DINITROTOLUENE	8270	µg/L	10	<10	<10	<10
FLUORANTHENE	8270	µg/L	10	<10	<10	<10
FLUORENE	8270	µg/L	10	<10	<10	<10

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Component Analyzed	Method	Unit	PQL	Analysis Result EATS-SP2-002 98-04553-5	EATS-SP2-003 98-04553-6	EATS-SP2-004 98-04553-7
HEXACHLOROBENZENE	8270	μg/L	10	<10	<10	<10
HEXACHLOROBUTADIENE	8270	μg/L	10	<10	<10	<10
HEXACHLOROCYCLOPENTADIENE	8270	μg/L	10	<10	<10	<10
HEXACHLOROETHANE	8270	μg/L	10	<10	<10	<10
INDENO(1,2,3-CD)PYRENE	8270	μg/L	10	<10	<10	<10
ISOPHORONE	8270	μg/L	10	<10	<10	<10
2-METHYLNAPHTHALENE	8270	μg/L	10	<10	<10	<10
3/4-METHYLPHENOL (M/P-CRESOL)	8270	μg/L	10	<10	<10	<10
2-METHYLPHENOL	8270	μg/L	10	<10	<10	<10
NAPHTHALENE	8270	μg/L	10	<10	<10	<10
2-NITROANILINE	8270	μg/L	50	<50	<50	<50
3-NITROANILINE	8270	μg/L	50	<50	<50	<50
4-NITROANILINE	8270	μg/L	50	<50	<50	<50
NITROBENZENE	8270	μg/L	10	<10	<10	<10
2-NITROPHENOL	8270	μg/L	10	<10	<10	<10
4-NITROPHENOL	8270	μg/L	50	<50	<50	<50
N-NITROSO-DI-N-PROPYLAMINE	8270	μg/L	10	<10	<10	<10
N-NITROSODIPHENYLAMINE (1)	8270	μg/L	10	<10	<10	<10
PENTACHLOROPHENOL	8270	μg/L	50	<50	<50	<50
PHENANTHRENE	8270	μg/L	10	<10	<10	<10
PHENOL	8270	μg/L	10	<10	<10	<10
PYRENE	8270	μg/L	10	<10	<10	<10
1,2,4-TRICHLOROBENZENE	8270	μg/L	10	<10	<10	<10
2,4,5-TRICHLOROPHENOL	8270	μg/L	10	<10	<10	<10
2,4,6-TRICHLOROPHENOL	8270	μg/L	10	<10	<10	<10

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) According to Title 22, an LC50 value of $\leq$500 mg/L is deemed toxic.

(b) Mixture in diesel/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 QA/QC Report

Submitted to:
International Technology (Martinez)
Attention: Steve Bule
4585 Pacheco Blvd.
Martinez, CA 94553
Tel: (510)372-9100 Fax: (510)372-5220

Service ID #: 801-984553
Collected by: J.C./M.B.
Collected on: 08/20-21/98
Sample description:
Water
Project: Moffett-DO70,EATS /769 574.006 07090

Received: 08/22/98
Tested: 08/26-28/98
Reported: 9/11/98

Analysis of Water

801-984553QC

Component Name	Analysis Batch #	ICV (mg/L)	ICV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
METAL Analysis in Water												
Arsenic	98M2019	1.00	102	N.D.	mg/L	0.500	103	104	105	1	75-125	20
Cadmium	98M2019	2.00	99	N.D.	mg/L	0.250	102	102	103	1	75-125	20
Chromium	98M2019	4.00	98	N.D.	mg/L	3.00	103	102	103	1	75-125	20
Copper	98M2019	4.00	99	N.D.	mg/L	1.00	102	104	105	1	75-125	20
Lead	98M2019	1.00	99	N.D.	mg/L	3.00	106	106	107	0	75-125	20
Nickel	98M2019	4.00	98	N.D.	mg/L	1.00	107	105	106	1	75-125	20
Selenium	98M2019	1.00	99	N.D.	mg/L	0.500	104	103	104	1	75-125	20
Silver	98M2019	2.00	99	N.D.	mg/L	1.00	101	100	101	1	75-125	20
Zinc	98M2019	4.00	99	N.D.	mg/L	0.500	110	104	105	1	75-125	20

Component Name	Analysis Batch #	CCV (μg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Gasoline												
Gasoline	98G3626	1000	99	N.D.	mg/L	1.00	90	97	100	3	70-130	30

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
TPH: Diesel												
Diesel	98G3594	1000	87	N.D.	mg/L	1.00	68	64	67	4	50-150	50
Motor oil/Lubricate oil	98G3594	1000	87	N.D.	mg/L	-	-	-	-	-	-	-

Applied P & Ch Laboratory
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APCL QA/QC Report

Component Name	Analysis Batch #	CCV (µg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Volatile organics												
Vinyl chloride	98G3616	20.0	94	N.D.	µg/L	-	-	-	-	-	-	-
1,1-Dichloroethene	98G3616	20.0	104	N.D.	µg/L	20.0	103	103	96	7	63-137	37
Chloroform	98G3616	20.0	99	N.D.	µg/L	-	-	-	-	-	-	-
Benzene	98G3616	20.0	98	N.D.	µg/L	20.0	100	100	96	4	68-127	29
1,2-Dichloropropane	98G3616	20.0	94	N.D.	µg/L	-	-	-	-	-	-	-
Trichloroethene	98G3616	20.0	104	N.D.	µg/L	20.0	104	102	96	6	71-133	44
Toluene	98G3616	20.0	99	N.D.	µg/L	20.0	101	100	95	5	66-127	30
Chlorobenzene	98G3616	20.0	101	N.D.	µg/L	20.0	100	104	97	7	68-127	30
Ethylbenzene	98G3616	20.0	112	N.D.	µg/L	-	-	-	-	-	-	-

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Semi-VOC, 64 Compounds												
Phenol	98G3595	60.0	107	N.D.	µg/L	100	74	22	23	3	9-109	51
1,4-Dichlorobenzene	98G3595	60.0	101	N.D.	µg/L	50.0	81	56	57	3	21-116	32
2-Nitrophenol	98G3595	60.0	93	N.D.	µg/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	98G3595	60.0	93	N.D.	µg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	98G3595	60.0	92	N.D.	µg/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	98G3595	60.0	100	N.D.	µg/L	100	69	45	45	1	22-116	33
2,4,6-Trichlorophenol	98G3595	60.0	99	N.D.	µg/L	-	-	-	-	-	-	-
Acenaphthene	98G3595	60.0	104	N.D.	µg/L	50.0	71	48	49	4	47-123	39
N-Nitrosodiphenylamine	98G3595	300	95	N.D.	µg/L	-	-	-	-	-	-	-
Pentachlorophenol (PCP)	98G3595	300	91	N.D.	µg/L	100	47	47*	45*	4	10-131	41
Fluoranthene	98G3595	60.0	97	N.D.	µg/L	-	-	-	-	-	-	-
Di-n-octyl phthalate (DOP)	98G3595	60.0	100	N.D.	µg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	98G3595	60.0	100	N.D.	µg/L	-	-	-	-	-	-	-
2-Chlorophenol	98G3595			N.D.	µg/L	100	74	49	51	2	23-117	28
N-Nitroso-di-n-propylamine	98G3595			N.D.	µg/L	50.0	86	61	62	3	11-134	41
1,2,4-Trichlorobenzene	98G3595			N.D.	µg/L	50.0	72	51	52	3	44-111	34
2,4-Dinitrotoluene	98G3595			N.D.	µg/L	50.0	67	40	41	3	39-110	35
4-Nitrophenol	98G3595			N.D.	µg/L	100	56	16	13	18	10-111	50
Pyrene	98G3595			N.D.	µg/L	50.0	69	49	49	1	52-111	29

Applied P & Ch Laboratory
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APCL QA/QC Report

*: LCS/LCSD is used.

Notation:

ICV - Initial Calibration Verification
CCV - Continuation Calibration Verification
LCS - Lab Control Spike
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ICS - Interference Check Standard
MD - Matrix Duplicate
N.D. - Not detected or less than PQL
CCB - Continuation Calibration Blank
M-blank - Method Blank
SP Level - Spike Level
%Rec - Recovery Percent
%RPD - Relative Percent Differences
%Diff - Control Limit for %RPD
ICP-SD - ICP Serial Dilution
N.A. - Not Applicable

Respectfully submitted,

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

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Gasoline

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		SDG Number:	984553
Project ID:	Moffett-DO70,EATS	Project No:	769 574.006 07090	Sample Matrix:	Water
		Batch No:	98G3626		

#	Client Sample No	Lab Sample ID	S1 % #	TOT OUT
1	LABQC	98G3626-MB-01	94	0
2	LABQC	98G3626-LCS-01	96	0
3	LABQC	98G3626-LSD-01	97	0
4	EATS-SP2-004-MS	98-4553-7MS	99	0
5	EATS-SP2-004-MSD	98-4553-7MSD	97	0
6	EATS-SP1-002	98-4553-1	93	0
7	EATS-SP1-003	98-4553-2	94	0
8	EATS-SP1-004	98-4553-3	93	0
9	EATS-SP1-004DUP	98-4553-4	91	0
10	EATS-SP2-002	98-4553-5	93	0
11	EATS-SP2-003	98-4553-6	92	0
12	EATS-SP2-004	98-4553-7	94	0
13	EATS-SP4-002	98-4553-8	89	0
14	EATS-SP4-003	98-4553-9	90	0
15	EATS-SP4-004	98-4553-10	90	0
16	EATS-SP4-004DUP	98-4553-11	91	0
17	EATS-TRP-002	98-4553-12	92	0
18	EATS-TRP-003	98-4553-13	91	0
19	EATS-TRP-004	98-4553-14	92	0
20	EATS-TRP-004DUP	98-4553-15	91	0
21				
22				
23				
24				
25				

QC Control Limit

S1 = 4-BROMO-FLUOROBENZENE (FID) 75-125

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Diesel

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		Service ID:	984553
Project ID:	Moffett-DO70,EATS	Project No:	769 574.006 07090	Sample Matrix:	Water
		Batch No:	98G3594		

#	Client Sample No	Lab Sample ID	S1 % #	TOT OUT
1	LABQC	98G3594-MB-01	102	0
2	LABQC	98G3594-LCS-01	88	0
3	LABQC	98G3594-LSD-01	96	0
4	EATS-SP2-004	98-4553-7	72	0
5	EATS-SP1-002	98-4553-1	69	0
6	EATS-SP1-004	98-4553-3	73	0
7	EATS-SP1-004DUP	98-4553-4	107	0
8	EATS-SP2-002	98-4553-5	85	0
9	EATS-SP2-003	98-4553-6	68	0
10	EATS-SP4-004	98-4553-10	75	0
11	EATS-SP4-004DUP	98-4553-11	92	0
12	EATS-SP1-003	98-4553-2	80	0
13	EATS-SP4-002	98-4553-8	88	0
14	EATS-SP4-003	98-4553-9	83	0
15	EATS-SP2-004-MS	98-4553-7MS	102	0
16	EATS-SP2-004-MSD	98-4553-7MSD	95	0
17				
18				
19				
20				
21				
22				
23				
24				
25				

S1 = OCTACOSANE, C_{28}

QC Control Limit
60-140

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Volatile Organics

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		Service ID:	984553
Project ID:	Moffett-DO70,EATS	Project No:	769 574.006 07090	Sample Matrix:	Water
		Batch No:	98G3616		

#	Client Sample No	Lab Sample ID	S1 % #	S2 % #	S3 % #	S4 % #	TOT OUT
1	LABQC	98G3616-MB-01	97	94	89	96	0
2	LABQC	98G3616-LCS-01	101	102	103	103	0
3	EATS-SP2-004-MS	98-4553-7MS	106	102	97	101	0
4	EATS-SP2-004-MSD	98-4553-7MSD	95	99	98	95	0
5	EATS-SP1-002	98-4553-1	97	95	93	95	0
6	EATS-SP1-003	98-4553-2	94	95	96	93	0
7	EATS-SP1-004	98-4553-3	93	92	91	93	0
8	EATS-SP1-004DUP	98-4553-4	96	95	93	95	0
9	EATS-SP2-002	98-4553-5	102	97	93	96	0
10	LABQC	98G3616-MB-02	100	98	88	98	0
11	LABQC	98G3616-LSD-01	99	100	98	97	0
12	EATS-SP2-003	98-4553-6	102	99	95	99	0
13	EATS-SP2-004	98-4553-7	113	106	105	104	1
14	EATS-SP4-002	98-4553-8	103	100	101	100	0
15	EATS-SP4-003	98-4553-9	104	101	99	99	0
16	EATS-SP4-004	98-4553-10	101	99	97	98	0
17	EATS-SP4-004DUP	98-4553-11	99	100	98	98	0
18	EATS-TRP-002	98-4553-12	100	100	98	98	0
19	EATS-TRP-003	98-4553-13	101	99	96	100	0
20	EATS-TRP-004	98-4553-14	107	106	103	103	0
21	EATS-TRP-004DUP	98-4553-15	102	98	95	96	0
22							
23							
24							
25							

	QC Control Limit
S1 = 4-BROMO-FLUOROBENZENE (BFB)	86-114
S2 = DIBROMOFLUOROMETHANE	86-117
S3 = 1,2-DICHLOROETHANE-D4	80-119
S4 = TOLUENE-D8	88-109

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

FORM-2C

Applied P & Ch Laboratory

Surrogate Recovery Summary for Method : Semi-VOC

Client Name:	International Technology (Martinez)	Contract No:		Lab Code:	APCL
Case No:		SAS No:		Service ID:	984553
Project ID:	Moffett-DO70,EATS	Project No:	769 574.006 07090	Sample Matrix:	Water
		Batch No:	98G3595		

#	Client Sample No	Lab Sample ID	S1 % #	S2 % #	S3 % #	S4 % #	S5 % #	S6 % #	TOT OUT
1	EATS-SP2-004-MS	98-4553-7MS	52	44	49	23	23	29	0
2	EATS-SP2-004-MSD	98-4553-7MSD	54	45	50	24	22	30	0
3	LABQC	98G3595-MB-01	76	72	80	87	62	54	0
4	LABQC	98G3595-LCS-01	71	64	70	79	55	54	0
5	LABQC	98G3595-LSD-01	72	64	69	78	51	52	0
6	EATS-SP2-004	98-4553-7	61	54	54	25	25	30	0
7	EATS-SP1-002	98-4553-1	69	61	97	28	26	54	0
8	EATS-SP1-004	98-4553-3	93	79	99	41	40	58	0
9	EATS-SP1-004DUP	98-4553-4	70	59	78	31	32	50	0
10	EATS-SP2-002	98-4553-5	68	62	89	29	27	50	0
11	EATS-SP4-002	98-4553-8	57	51	62	26	27	39	0
12	EATS-SP4-003	98-4553-9	95	88	92	43	42	60	0
13	EATS-SP4-004	98-4553-10	94	86	94	41	39	64	0
14	EATS-SP4-004DUP	98-4553-11	77	66	79	33	32	47	0
15	EATS-SP1-003	98-4553-2	90	80	95	38	37	70	0
16	EATS-SP2-003	98-4553-6	76	67	80	31	30	47	0
17									
18									
19									
20									
21									
22									
23									
24									
25									

	QC Control Limit
S1 = NITROBENZENE-D5	35-113
S2 = 2-FLUOROBIPHENYL	43-115
S3 = TERPHENYL-D14	33-140
S4 = PHENOL-D5	10- 93
S5 = 2-FLUOROPHENOL	21- 99
S6 = 2,4,6-TRIBROMOPHENOL	10-122

Column to be used to flag recovery values:

* – Values outside of contract required QC Limits D – Surrogate diluted out I – Matrix Interference

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 49573
Page 1 of ~~2~~ 7

Project Name/No. [1] MOFFETT - D070, EATS 769 574.006 07 090
Sample Team Members [2] J.C. MB.
Profit Center No. [3]
Project Manager [4] STEVE HICKEY
Purchase Order No. [6] 86404
Required Report Date [11] 08/23/98

Samples Shipment Date [7] 08/21/98
Lab Destination [8] APC LAB
Lab Contact [9] JENNA
Project Contact/Phone [12] MARY BOYD/(510)210-5492
Carrier/Waybill No. [13] GOLDEN STATE OVERNIGHT

4559

Bill to: [5] IT CORP.
4585 PACHECO BLVD.
MARTINEZ, CA 94553-223
ATTN. ELMER MOLANO

Report to: [10] STEVE HICKEY
IT CORP
4585 PACHECO BLVD.
MARTINEZ, CA 94553-2233

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]
EATS-SP1-002	SP1-002 PLANT INFLUENT/WATER	08/20/98 ~~1130~~ 2330	40mL AMBER	3x40 mL	HCl	EPA METHOD 8260	Received in good condition	
↓	↓	↓	1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40mL AMBER	3x40mL	HCl	" " 8015M	pH < 2	
			1L AMBER	2x1L	COLD ~~HCl~~	" " 8015M	Cooler Sealed	
↓	↓	↓	0.5L POLY	2x0.5L	HNO_3	" " 6010/7000	pH < 2	
						↳ (ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SILVER, SELENIUM, & ZINC)	FOR LAB USE ONLY 3 ~~8~~ 9 4.5°C	

Special Instructions: [23] NOTE: EPA METHOD 6010/7000 MUST REPORT SPECIFIC METALS LISTED

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): SEE WORK PLAN

1. Relinquished by [28] (Signature/Affiliation) Mary Boyd ITCorp — Date: 8/21/98 Time: 4:30pm	1. Received by [28] (Signature/Affiliation) Golden State 2X4 — Date: 8/21/98 Time: 5:00PM
2. Relinquished by (Signature/Affiliation) — Date: Time:	2. Received by (Signature/Affiliation) — Date: 8/22/98 Time:
3. Relinquished by (Signature/Affiliation) — Date: Time:	3. Received by (Signature/Affiliation) — Date: Time:

Comments: [29]

IT INTERNATIONAL TECHNOLOGY CORPORATION 4553

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

Reference Document No. 495737 JC
Page 2 of ~~8~~ 7

Project Name MOFFETT - DO 70, EATS Project No. 769 574.006 07 090 Samples Shipment Date 08/21/98

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
EATS-SP2-002	SP2-002 STRIPPER EFFLUENT / WATER	08/20/98 2340	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1 L AMBER	2x1 L	COLD	" " 8270	FOR LAB USE ONLY	
			40 mL AMBER	3x40mL	HCl	" " 8015M		
			1 L AMBER	2x1 L	COLD	" " 8015M		
							FOR LAB USE ONLY	
EATS-SP4-002	SP4-002 PLANT EFFLUENT / WATER	08/20/98 ~~H 2254~~ 2354	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1 L AMBER	2x1 L	COLD	" " 8270	FOR LAB USE ONLY	
			40 mL AMBER	3x40mL	HCl	" " 8015M		
			1 L AMBER	2x1 L	COLD	" " 8015M		
			1 L POLY	1x1 L	COLD	96 HR FISH TOXICITY	FOR LAB USE ONLY	
			0.5 L POLY	2x0.5L	HNO_3	EPA METHOD 6010/7000		
						(ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM, SILVER, ZINC)	FOR LAB USE ONLY	
							FOR LAB USE ONLY	
EATS-TRP-002	TRIP BLANK 2	08/20/98 2330	40 mL AMBER	1x40mL	HCl	EPA METHOD 8260, 8270, 8015M-GAS		
							FOR LAB USE ONLY	
EATS-TMP-002	TEMP BLANK 2	08/21/98 2330	40 mL CLEAR GLASS	1x40mL	COLD	TEMP		

White: To accompany samples Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

4553

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

Reference Document No. 495738

Page 3 of 7

Project Name MOFFETT - D070 EATS Project No. 769 574.006 07 090 Samples Shipment Date 08/21/98

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.
EATS-SP2-003	SP2-003 STRIPPER EFFLUENT/WATER	08/21/98 ~~07:50~~ 0740	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40mL AMBER	3x40mL	HCl	" " 8015M		
			1L AMBER	2x1L	COLD	" " 8015M		
							FOR LAB USE ONLY	
EATS-SP4-003	SP4-003 PLANT EFFLUENT/WATER	08/21/98 0750	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40 mL AMBER	3x40mL	HCl	" " 8015M		
			1L AMBER	2x1L	COLD	" " 8015M		
			1L POLY	1x1L	COLD	96 HOUR FISH TOXICITY	FOR LAB USE ONLY	
			0.5L POLY	2x0.5L	HNO_3	EPA METHOD 6010/7000		
						(ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM SILVER, ZINC)	FOR LAB USE ONLY	
							FOR LAB USE ONLY	
EATS-TRP-003	TRIP BLANK 3	08/21/98 0730	40mL AMBER	1x40mL	HCl	EPA METHOD 8260, 8270, 8015M-GAS		
							FOR LAB USE ONLY	
EATS-TMP-003	TEMP BLANK 3	08/21/98 0730	40mL CLEAR GLASS	1x40mL	COLD	TEMP		

Write: To accompany samples Yellow: Field copy

*See back of form for special instructions.

INTERNATIONAL TECHNOLOGY CORPORATION

4553

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

Reference Document No. 495737

Page 4 of 7

Project Name MOFFETT - DO 70, EATS

Project No. 769 574.006 07 090

Samples Shipment Date 08/21/98

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.
EATS-SPI-003	SPI-003 PLANT INFLUENT/WATER	08/21/98 0730	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40 mL AMBER	3x40mL	HCl	" " 8015M		
			1L AMBER	2x1L	COLD	" " 8015M		
			0.5L POLY	2x0.5L	HNO_3	" " 6010/7000	FOR LAB USE ONLY	
						(ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM, SILVER & ZINC)		
							FOR LAB USE ONLY	
EATS-SPI-004	SPI-004 PLANT INFLUENT/WATER	08/21/98 1430	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260	FOR LAB USE ONLY	
			1L AMBER	2x1L	COLD	" " 8270		
			40 mL AMBER	3x40mL	HCl	" " 8015M	FOR LAB USE ONLY	
			1L AMBER	2x1L	COLD	" " 8015M		
			0.5L POLY	2x0.5L	HNO_3	" " 6010/7000	FOR LAB USE ONLY	
						(ARSENIC, CADMIUM TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM, SILVER & ZINC)		
							FOR LAB USE ONLY	

Attach to accompany samples. Tan/W. Pink copy. See back of form for special instructions.

MCA 3/15/91

JC 7

INTERNATIONAL TECHNOLOGY CORPORATION

4553

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

Reference Document No. 495734

Page 5 of 7

Project Name MOFFETT - DO 70, EATS

Project No. 769 574.006 07 090

Samples Shipment Date 08/21/98

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
JC 4 EATS-SP2-003	SP2-004 STRIPPER INFLUENT/WATER	08/21/98 1440	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40mL AMBER	3x40mL	HCl	" " 8015M		
			1L AMBER	2x1L	COLD	" " 8015M	FOR LAB USE ONLY	
EATS-SP4-004	SP4-004 PLANT EFFLUENT/WATER	08/21/98 1450	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
			1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40mL AMBER	3x40mL	HCl	" " 8015M		
			1L AMBER	2x1L	COLD	" " 8015M	FOR LAB USE ONLY	
			1L POLY	1x1L	COLD	96 HOUR FISH TOXICITY		
			0.5L POLY	2x0.5L	HNO_3	EPA METHOD 6010/7000 (ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL, SELENIUM SILVER, & ZINC)	FOR LAB USE ONLY	
JC 4 EATS-TRP-002	TRIP BLANK 4	JC 08/21/98 1430	40 mL AMBER	1x40mL	HCl	EPA METHOD 8260, 8270, 8015M-GAS	FOR LAB USE ONLY	
EATS-TMP-004	TEMP BLANK 4	08/21/98 1430	40 mL CLEAR GLASS	1x40mL	COLD	TEMP	FOR LAB USE ONLY	

White: To accompany samples

Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

4553

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

Reference Document 495737
Page 6 of 7

Project Name MOFFETT-DO 70, EATS

Project No. 769 574.006 07 090

Samples Shipment Date 08/21/98

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.
EATS-SP1-004 DUP ~~EATS-SP1-004 DUP~~	SP1-004 DUP PLANT INFLUENT / WATER	08/24/98 1435	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
↓	↓	↓	1L AMBER	2x1L	COLD	" " 8270	FOR LAB USE ONLY	
			40 mL AMBER	3x40mL	HCl	" " 8015M		
			1L AMBER	2x1L	COLD	" " 8015M	FOR LAB USE ONLY	
			0.5 L POLY	2x0.5mL	HNO_3	" " 6010/7000		
						(ARSENIC, CADMIUM, TOTAL CHROMIUM, COPPER, LEAD, NICKEL SILVER, SELENIUM, & ZINC.)	FOR LAB USE ONLY	
							FOR LAB USE ONLY	
EATS-SP2-004 MS	SP2-004 MS PLANT EFFLUENT / WATER	08/21/98 1445	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260		
↓	↓	↓	1L AMBER	2x1L	COLD	" " 8270		
			40mL AMBER	3x40mL	HCl	" " 8015M	FOR LAB USE ONLY	
			1L AMBER	2x1L	COLD	" " 8015M		
EATS-SP2-004 MSD	SP2-004 MSD PLANT EFFLUENT / WATER	08/21/98 1455	40 mL AMBER	3x40mL	HCl	EPA METHOD 8260	FOR LAB USE ONLY	
↓	↓	↓	1L AMBER	2x1L	COLD	" " 8270		
			40 mL AMBER	3x40mL	HCl	" " 8015M	FOR LAB USE ONLY	
			1L AMBER	2x1L	COLD	" " 8015M		

USE BACK OF FORM TO SPECIFY SPECIAL CONDITIONS.

MCA 3/15

N00296.000539
MOFFETT FIELD
SSIC NO. 5090.3.A.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD PAGE 7 OF 7

EAST-SIDE AQUIFERS TREATMENT SYSTEM STARTUP TEST DATA

THE ABOVE IDENTIFIED PAGE IS NOT AVAILABLE.

EXTENSIVE RESEARCH WAS PERFORMED BY NAVFAC SOUTHWEST TO LOCATE THIS PAGE. THIS PAGE HAS BEEN INSERTED AS A PLACEHOLDER AND WILL BE REPLACED SHOULD THE MISSING ITEM BE LOCATED.

QUESTIONS MAY BE DIRECTED TO:

DIANE C. SILVA
RECORDS MANAGEMENT SPECIALIST
NAVAL FACILITIES ENGINEERING COMMAND SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676

N00296.000539
MOFFETT FIELD
SSIC NO. 5090.3.A.

APCL QA/QC REPORT
PAGE 1

EAST-SIDE AQUIFERS TREATMENT SYSTEM STARTUP TEST DATA

THE ABOVE IDENTIFIED PAGE IS NOT AVAILABLE.

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SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676

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

APCL QA/QC Report

Component Name	Analysis Batch #	CCV (µg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Volatile organics												
Vinyl chloride	98G3616	20.0	94	N.D.	µg/L	-	-	-	-	-	-	-
1,1-Dichloroethene	98G3616	20.0	104	N.D.	µg/L	20.0	103	103	96	7	63-137	37
Chloroform	98G3616	20.0	99	N.D.	µg/L	-	-	-	-	-	-	-
Benzene	98G3616	20.0	98	N.D.	µg/L	20.0	100	100	96	4	68-127	29
1,2-Dichloropropane	98G3616	20.0	94	N.D.	µg/L	-	-	-	-	-	-	-
Trichloroethene	98G3616	20.0	104	N.D.	µg/L	20.0	104	102	96	6	71-133	44
Toluene	98G3616	20.0	99	N.D.	µg/L	20.0	101	100	95	5	66-127	30
Chlorobenzene	98G3616	20.0	101	N.D.	µg/L	20.0	100	104	97	7	68-127	30
Ethylbenzene	98G3616	20.0	112	N.D.	µg/L	-	-	-	-	-	-	-

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Semi-VOC, 64 Compounds												
Phenol	98G3595	60.0	107	N.D.	µg/L	100	74	22	23	3	9-109	51
1,4-Dichlorobenzene	98G3595	60.0	101	N.D.	µg/L	50.0	81	56	57	3	21-116	32
2-Nitrophenol	98G3595	60.0	93	N.D.	µg/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	98G3595	60.0	93	N.D.	µg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	98G3595	60.0	92	N.D.	µg/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	98G3595	60.0	100	N.D.	µg/L	100	69	45	45	1	22-116	33
2,4,6-Trichlorophenol	98G3595	60.0	99	N.D.	µg/L	-	-	-	-	-	-	-
Acenaphthene	98G3595	60.0	104	N.D.	µg/L	50.0	71	48	49	4	47-123	39
N-Nitrosodiphenylamine	98G3595	300	95	N.D.	µg/L	-	-	-	-	-	-	-
Pentachlorophenol (PCP)	98G3595	300	91	N.D.	µg/L	100	47	7@	10@	33	10-131	41
Fluoranthene	98G3595	60.0	97	N.D.	µg/L	-	-	-	-	-	-	-
Di-n-octyl phthalate (DOP)	98G3595	60.0	100	N.D.	µg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	98G3595	60.0	100	N.D.	µg/L	-	-	-	-	-	-	-
2-Chlorophenol	98G3595			N.D.	µg/L	100	74	49	51	2	23-117	28
N-Nitroso-di-n-propylamine	98G3595			N.D.	µg/L	50.0	86	61	62	3	11-134	41
1,2,4-Trichlorobenzene	98G3595			N.D.	µg/L	50.0	72	51	52	3	44-111	34
2,4-Dinitrotoluene	98G3595			N.D.	µg/L	50.0	67	40	41	3	39-110	35
4-Nitrophenol	98G3595			N.D.	µg/L	100	56	16	13	18	10-111	50
Pyrene	98G3595			N.D.	µg/L	50.0	69	49	49	1	52-111	29

EAH 9/29/98

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

APCL QA/QC Report

@: Out of Control Limits.

Notation:

ICV – Initial Calibration Verification
CCV – Continuation Calibration Verification
LCS – Lab Control Spike
MS – Matrix Spike
MSD – Matrix Spike Duplicate
ICS – Interference Check Standard
MD – Matrix Duplicate
N.D. – Not detected or less than PQL
CCB – Continuation Calibration Blank
M-blank – Method Blank
SP Level – Spike Level
%Rec – Recovery Percent
%RPD – Relative Percent Differences
%Diff – Control Limit for %RPD
ICP-SD – ICP Serial Dilution
N.A. – Not Applicable

Respectfully submitted,

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

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

APCL QA/QC Report

Submitted to:
International Technology (Martinez)
Attention: Steve Bule
4585 Pacheco Blvd.
Martinez, CA 94553
Tel: (510)372-9100 Fax: (510)372-5220

Service ID #: 801-984541
Collected by: J.C/S.H.
Collected on: 08/20/98
Sample description:
Water from SP-1-001 Plant Influent
Project: Moffett-DO70, EATS /769574.00607090

Received: 08/21/98
Tested: 08/24-09/02/98
Reported: 9/14/98

Analysis of Water

801-984541QC

Component Name	Analysis Batch #	ICV (mg/L)	ICV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
METAL Analysis in Water												
Arsenic	98M2000	1.00	101	N.D.	mg/L	0.500	101	106	107	1	75-125	20
Cadmium	98M2000	2.00	100	N.D.	mg/L	0.250	103	105	106	1	75-125	20
Chromium	98M2000	4.00	100	N.D.	mg/L	3.00	102	98	99	1	75-125	20
Copper	98M2000	4.00	99	N.D.	mg/L	1.00	102	104	106	1	75-125	20
Lead	98M2000	1.00	99	N.D.	mg/L	3.00	104	102	104	2	75-125	20
Nickel	98M2000	4.00	100	N.D.	mg/L	1.00	106	103	104	1	75-125	20
Selenium	98M2000	1.00	99	N.D.	mg/L	0.500	104	102	102	0	75-125	20
Silver	98M2000	2.00	100	N.D.	mg/L	1.00	101	99	100	1	75-125	20
Zinc	98M2000	4.00	100	N.D.	mg/L	0.500	105	106	107	1	75-125	20

Component Name	Analysis Batch #	CCV (μg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Gasoline												
Gasoline	98G3699	1000	113	N.D.	mg/L	1.00	101	95	102	7	70-130	30

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
TPH: Diesel												
Diesel	98G3582	1000	110	N.D.	mg/L	1.00	77	77*	83*	8	60-140	50
Motor oil/Lubricate oil	98G3582	1000	105	N.D.	mg/L	-	-	-	-	-	-	-

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APCL QA/QC Report

Component Name	Analysis Batch #	CCV (µg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Volatile organics +												
Vinyl chloride	98G3616	20.0	94	N.D.	µg/L	-	-	-	-	-	-	-
1,1-Dichloroethene	98G3616	20.0	104	N.D.	µg/L	20.0	103	103	96	7	63-137	37
Chloroform	98G3616	20.0	99	N.D.	µg/L	-	-	-	-	-	-	-
Benzene	98G3616	20.0	98	N.D.	µg/L	20.0	100	100	96	4	68-127	29
1,2-Dichloropropane	98G3616	20.0	94	N.D.	µg/L	-	-	-	-	-	-	-
Trichloroethene	98G3616	20.0	104	N.D.	µg/L	20.0	104	102	96	6	71-133	44
Toluene	98G3616	20.0	99	N.D.	µg/L	20.0	101	100	95	5	66-127	30
Chlorobenzene	98G3616	20.0	101	N.D.	µg/L	20.0	100	104	97	7	68-127	30
Ethylbenzene	98G3616	20.0	112	N.D.	µg/L	-	-	-	-	-	-	-

Component Name	Analysis Batch #	CCV (mg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Control Limit %Diff
Semi-VOC, 64 Compounds +												
Phenol	98G3595	60.0	107	N.D.	µg/L	100	74	22	23	3	9-109	51
1,4-Dichlorobenzene	98G3595	60.0	101	N.D.	µg/L	50.0	81	56	57	3	21-116	32
2-Nitrophenol	98G3595	60.0	93	N.D.	µg/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	98G3595	60.0	93	N.D.	µg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	98G3595	60.0	92	N.D.	µg/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	98G3595	60.0	100	N.D.	µg/L	100	69	45	45	1	22-116	33
2,4,6-Trichlorophenol	98G3595	60.0	99	N.D.	µg/L	-	-	-	-	-	-	-
Acenaphthene	98G3595	60.0	104	N.D.	µg/L	50.0	71	48	49	4	47-123	39
N-Nitrosodiphenylamine	98G3595	300	95	N.D.	µg/L	-	-	-	-	-	-	-
Pentachlorophenol (PCP)	98G3595	300	91	N.D.	µg/L	100	47	7@	10@	33	10-131	41
Fluoranthene	98G3595	60.0	97	N.D.	µg/L	-	-	-	-	-	-	-
Di-n-octyl phthalate (DOP)	98G3595	60.0	100	N.D.	µg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	98G3595	60.0	100	N.D.	µg/L	-	-	-	-	-	-	-
2-Chlorophenol	98G3595			N.D.	µg/L	100	74	49	51	2	23-117	28
N-Nitroso-di-n-propylamine	98G3595			N.D.	µg/L	50.0	86	61	62	3	11-134	41
1,2,4-Trichlorobenzene	98G3595			N.D.	µg/L	50.0	72	51	52	3	44-111	34
2,4-Dinitrotoluene	98G3595			N.D.	µg/L	50.0	67	40	41	3	39-110	35
4-Nitrophenol	98G3595			N.D.	µg/L	100	56	16	13	18	10-111	50
Pyrene	98G3595			N.D.	µg/L	50.0	69	49	49	1	52-111	29

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

APCL QA/QC Report

*: LCS/LCSD is used.

@: Out of Control Limits.

+: All target compounds were ND in the method blank.

Notation:

ICV – Initial Calibration Verification
CCV – Continuation Calibration Verification
LCS – Lab Control Spike
MS – Matrix Spike
MSD – Matrix Spike Duplicate
ICS – Interference Check Standard
MD – Matrix Duplicate
N.D. – Not detected or less than PQL
CCB – Continuation Calibration Blank
M-blank – Method Blank
SP Level – Spike Level
%Rec – Recovery Percent
%RPD – Relative Percent Differences
%Diff – Control Limit for %RPD
ICP-SD – ICP Serial Dilution
N.A. – Not Applicable

Respectfully submitted,

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