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11:02 am, Oct 15, 2008

Alameda County
Environmental Health



Total Volatile Hydrocarbons

Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	112345
Units:	ug/L	Sampled:	04/13/06
Diln Fac:	1.000	Received:	04/13/06

Field ID: DW-11 Lab ID: 186169-001
Type: SAMPLE Analyzed: 04/13/06

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	69-137
Bromofluorobenzene (FID)	104	80-133

Field ID: DW-14 Lab ID: 186169-002
Type: SAMPLE Analyzed: 04/14/06

Analyte	Result	RL
Gasoline C7-C12	77 L Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	69-137
Bromofluorobenzene (FID)	112	80-133

Type: BLANK Analyzed: 04/13/06
Lab ID: QC335611

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	99	80-133

L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC335612	Batch#:	112345
Matrix:	Water	Analyzed:	04/13/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,798	90	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	69-137
Bromofluorobenzene (FID)	109	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	112345
MSS Lab ID:	186152-004	Sampled:	04/12/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/13/06
Diln Fac:	1.000		

Type: MS Lab ID: QC335613

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	249.1	2,000	2,003	88	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-137
Bromofluorobenzene (FID)	117	80-133

Type: MSD Lab ID: QC335614

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,998	87	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	69-137
Bromofluorobenzene (FID)	113	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/13/06
Units:	ug/L	Received:	04/13/06
Diln Fac:	1.000	Prepared:	04/16/06
Batch#:	112421		

Field ID: DW-11	Analyzed: 04/18/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186169-001	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	65-130

Field ID: DW-14	Analyzed: 04/18/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186169-002	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	97	65-130

Field ID: DW-24	Analyzed: 04/18/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186169-003	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	115	65-130

Type: BLANK	Analyzed: 04/17/06
Lab ID: QC335908	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	99	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	112421
Units:	ug/L	Prepared:	04/16/06
Diln Fac:	1.000	Analyzed:	04/17/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC335909

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,196	88	61-133

Surrogate	%REC	Limits
Hexacosane	94	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC335910

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,045	82	61-133	7	31

Surrogate	%REC	Limits
Hexacosane	89	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	112444
Lab ID:	186169-001	Sampled:	04/13/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/17/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	112473
Lab ID:	186169-002	Sampled:	04/13/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	72	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	10	0.5
Toluene	0.8	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	0.6	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	121	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112444
Units:	ug/L	Analyzed:	04/17/06
Diln Fac:	1.000		

Type: BS Lab ID: QC336005

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	109.1	87	64-141
MTBE	25.00	19.92	80	72-120
Isopropyl Ether (DIPE)	25.00	20.46	82	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	22.68	91	77-129
Methyl tert-Amyl Ether (TAME)	25.00	21.31	85	77-120
Benzene	25.00	25.09	100	80-120
Toluene	25.00	25.33	101	80-120
Chlorobenzene	25.00	25.96	104	80-120
Ethylbenzene	25.00	26.99	108	80-120
m,p-Xylenes	50.00	54.55	109	80-121
o-Xylene	25.00	27.07	108	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC336006

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	103.9	83	64-141	5	22
MTBE	25.00	19.86	79	72-120	0	20
Isopropyl Ether (DIPE)	25.00	19.85	79	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.42	90	77-129	1	20
Methyl tert-Amyl Ether (TAME)	25.00	20.66	83	77-120	3	20
Benzene	25.00	23.79	95	80-120	5	20
Toluene	25.00	24.10	96	80-120	5	20
Chlorobenzene	25.00	25.13	101	80-120	3	20
Ethylbenzene	25.00	26.07	104	80-120	3	20
m,p-Xylenes	50.00	52.91	106	80-121	3	20
o-Xylene	25.00	25.70	103	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336007	Batch#:	112444
Matrix:	Water	Analyzed:	04/17/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112473
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Type: BS Lab ID: QC336126

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	112.8	90	64-141
MTBE	25.00	21.16	85	72-120
Isopropyl Ether (DIPE)	25.00	22.34	89	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.40	98	77-129
Methyl tert-Amyl Ether (TAME)	25.00	22.24	89	77-120
Benzene	25.00	26.19	105	80-120
Toluene	25.00	25.44	102	80-120
Chlorobenzene	25.00	24.97	100	80-120
Ethylbenzene	25.00	27.19	109	80-120
m,p-Xylenes	50.00	55.07	110	80-121
o-Xylene	25.00	26.84	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	111	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC336127

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	113.2	91	64-141	0	22
MTBE	25.00	20.67	83	72-120	2	20
Isopropyl Ether (DIPE)	25.00	21.57	86	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.50	94	77-129	4	20
Methyl tert-Amyl Ether (TAME)	25.00	21.25	85	77-120	5	20
Benzene	25.00	24.35	97	80-120	7	20
Toluene	25.00	24.59	98	80-120	3	20
Chlorobenzene	25.00	24.96	100	80-120	0	20
Ethylbenzene	25.00	26.56	106	80-120	2	20
m,p-Xylenes	50.00	53.79	108	80-121	2	20
o-Xylene	25.00	25.84	103	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336128	Batch#:	112473
Matrix:	Water	Analyzed:	04/18/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	114	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	112473
MSS Lab ID:	186178-001	Sampled:	04/12/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Type: MS Lab ID: QC336219

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.319	125.0	115.7	93	68-148
MTBE	<0.03988	25.00	20.34	81	75-120
Isopropyl Ether (DIPE)	<0.02976	25.00	22.04	88	74-125
Ethyl tert-Butyl Ether (ETBE)	<0.03253	25.00	24.35	97	80-131
Methyl tert-Amyl Ether (TAME)	<0.04809	25.00	21.96	88	78-120
Benzene	<0.1164	25.00	25.68	103	80-122
Toluene	<0.06248	25.00	25.02	100	80-120
Chlorobenzene	<0.1633	25.00	24.74	99	80-120
Ethylbenzene	<0.04120	25.00	26.65	107	80-121
m,p-Xylenes	<0.1703	50.00	53.16	106	80-121
o-Xylene	<0.1599	25.00	26.17	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	122	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-122

Type: MSD Lab ID: QC336220

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	122.5	98	68-148	6	23
MTBE	25.00	20.39	82	75-120	0	20
Isopropyl Ether (DIPE)	25.00	21.31	85	74-125	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.37	93	80-131	4	20
Methyl tert-Amyl Ether (TAME)	25.00	21.10	84	78-120	4	20
Benzene	25.00	24.14	97	80-122	6	20
Toluene	25.00	23.46	94	80-120	6	20
Chlorobenzene	25.00	23.70	95	80-120	4	20
Ethylbenzene	25.00	24.93	100	80-121	7	20
m,p-Xylenes	50.00	51.14	102	80-121	4	20
o-Xylene	25.00	25.09	100	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	116	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

Total Volatile Hydrocarbons

Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	112345
Units:	ug/L	Sampled:	04/13/06
Diln Fac:	1.000	Received:	04/13/06

Field ID:	DW-11	Lab ID:	186169-001
Type:	SAMPLE	Analyzed:	04/13/06

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	69-137
Bromofluorobenzene (FID)	104	80-133

Field ID:	DW-14	Lab ID:	186169-002
Type:	SAMPLE	Analyzed:	04/14/06

Analyte	Result	RL
Gasoline C7-C12	77 L Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	69-137
Bromofluorobenzene (FID)	112	80-133

Type:	BLANK	Analyzed:	04/13/06
Lab ID:	QC335611		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	99	80-133

L= Lighter hydrocarbons contributed to the quantitation

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC335612	Batch#:	112345
Matrix:	Water	Analyzed:	04/13/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,798	90	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	69-137
Bromofluorobenzene (FID)	109	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	112345
MSS Lab ID:	186152-004	Sampled:	04/12/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/13/06
Diln Fac:	1.000		

Type: MS Lab ID: QC335613

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	249.1	2,000	2,003	88	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-137
Bromofluorobenzene (FID)	117	80-133

Type: MSD Lab ID: QC335614

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,998	87	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	69-137
Bromofluorobenzene (FID)	113	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/13/06
Units:	ug/L	Received:	04/13/06
Diln Fac:	1.000	Prepared:	04/16/06
Batch#:	112421		

Field ID: DW-11	Analyzed: 04/18/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186169-001	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	65-130

Field ID: DW-14	Analyzed: 04/18/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186169-002	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	97	65-130

Field ID: DW-24	Analyzed: 04/18/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186169-003	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	115	65-130

Type: BLANK	Analyzed: 04/17/06
Lab ID: QC335908	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	99	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	112421
Units:	ug/L	Prepared:	04/16/06
Diln Fac:	1.000	Analyzed:	04/17/06

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC335909

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,196	88	61-133

Surrogate	%REC	Limits
Hexacosane	94	65-130

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC335910

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,045	82	61-133	7	31

Surrogate	%REC	Limits
Hexacosane	89	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	112444
Lab ID:	186169-001	Sampled:	04/13/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/17/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	112473
Lab ID:	186169-002	Sampled:	04/13/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	72	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	10	0.5
Toluene	0.8	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	0.6	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	121	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112444
Units:	ug/L	Analyzed:	04/17/06
Diln Fac:	1.000		

Type: BS Lab ID: QC336005

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	109.1	87	64-141
MTBE	25.00	19.92	80	72-120
Isopropyl Ether (DIPE)	25.00	20.46	82	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	22.68	91	77-129
Methyl tert-Amyl Ether (TAME)	25.00	21.31	85	77-120
Benzene	25.00	25.09	100	80-120
Toluene	25.00	25.33	101	80-120
Chlorobenzene	25.00	25.96	104	80-120
Ethylbenzene	25.00	26.99	108	80-120
m,p-Xylenes	50.00	54.55	109	80-121
o-Xylene	25.00	27.07	108	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC336006

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	103.9	83	64-141	5	22
MTBE	25.00	19.86	79	72-120	0	20
Isopropyl Ether (DIPE)	25.00	19.85	79	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.42	90	77-129	1	20
Methyl tert-Amyl Ether (TAME)	25.00	20.66	83	77-120	3	20
Benzene	25.00	23.79	95	80-120	5	20
Toluene	25.00	24.10	96	80-120	5	20
Chlorobenzene	25.00	25.13	101	80-120	3	20
Ethylbenzene	25.00	26.07	104	80-120	3	20
m,p-Xylenes	50.00	52.91	106	80-121	3	20
o-Xylene	25.00	25.70	103	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336007	Batch#:	112444
Matrix:	Water	Analyzed:	04/17/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112473
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Type: BS Lab ID: QC336126

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	112.8	90	64-141
MTBE	25.00	21.16	85	72-120
Isopropyl Ether (DIPE)	25.00	22.34	89	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.40	98	77-129
Methyl tert-Amyl Ether (TAME)	25.00	22.24	89	77-120
Benzene	25.00	26.19	105	80-120
Toluene	25.00	25.44	102	80-120
Chlorobenzene	25.00	24.97	100	80-120
Ethylbenzene	25.00	27.19	109	80-120
m,p-Xylenes	50.00	55.07	110	80-121
o-Xylene	25.00	26.84	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	111	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC336127

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	113.2	91	64-141	0	22
MTBE	25.00	20.67	83	72-120	2	20
Isopropyl Ether (DIPE)	25.00	21.57	86	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.50	94	77-129	4	20
Methyl tert-Amyl Ether (TAME)	25.00	21.25	85	77-120	5	20
Benzene	25.00	24.35	97	80-120	7	20
Toluene	25.00	24.59	98	80-120	3	20
Chlorobenzene	25.00	24.96	100	80-120	0	20
Ethylbenzene	25.00	26.56	106	80-120	2	20
m,p-Xylenes	50.00	53.79	108	80-121	2	20
o-Xylene	25.00	25.84	103	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336128	Batch#:	112473
Matrix:	Water	Analyzed:	04/18/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	114	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	112473
MSS Lab ID:	186178-001	Sampled:	04/12/06
Matrix:	Water	Received:	04/13/06
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Type: MS Lab ID: QC336219

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.319	125.0	115.7	93	68-148
MTBE	<0.03988	25.00	20.34	81	75-120
Isopropyl Ether (DIPE)	<0.02976	25.00	22.04	88	74-125
Ethyl tert-Butyl Ether (ETBE)	<0.03253	25.00	24.35	97	80-131
Methyl tert-Amyl Ether (TAME)	<0.04809	25.00	21.96	88	78-120
Benzene	<0.1164	25.00	25.68	103	80-122
Toluene	<0.06248	25.00	25.02	100	80-120
Chlorobenzene	<0.1633	25.00	24.74	99	80-120
Ethylbenzene	<0.04120	25.00	26.65	107	80-121
m,p-Xylenes	<0.1703	50.00	53.16	106	80-121
o-Xylene	<0.1599	25.00	26.17	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	122	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-122

Type: MSD Lab ID: QC336220

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	122.5	98	68-148	6	23
MTBE	25.00	20.39	82	75-120	0	20
Isopropyl Ether (DIPE)	25.00	21.31	85	74-125	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.37	93	80-131	4	20
Methyl tert-Amyl Ether (TAME)	25.00	21.10	84	78-120	4	20
Benzene	25.00	24.14	97	80-122	6	20
Toluene	25.00	23.46	94	80-120	6	20
Chlorobenzene	25.00	23.70	95	80-120	4	20
Ethylbenzene	25.00	24.93	100	80-121	7	20
m,p-Xylenes	50.00	51.14	102	80-121	4	20
o-Xylene	25.00	25.09	100	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	116	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

COOLER RECEIPT CHECKLIST

Login#: 186169 Date Received: 4/13/06 Number of Coolers: 1
Client: Treadwell + Fello Project: Emerysville Industrial Ct.

A. Preliminary Examination Phase

Date Opened: 4/13/06 By (print): Peter P. (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO

If YES, enter carrier name and airbill number: _____

2. Were custody seals on outside of cooler?..... YES NO

How many and where? _____ Seal date: _____ Seal name: _____

3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A

4. Were custody papers dry and intact when received?..... YES NO

5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO

6. Did you sign the custody papers in the appropriate place?..... YES NO

7. Was project identifiable from custody papers?..... YES NO

If YES, enter project name at the top of this form.

8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO

Type of ice: ICE Temperature: on ice - not temp'd

B. Login Phase

Date Logged In: 4/13/06 By (print): Peter P. (sign) [Signature]

1. Describe type of packing in cooler: Ziploc + Paper towels

2. Did all bottles arrive unbroken?..... YES NO

3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO

4. Did bottle labels agree with custody papers?..... YES NO

5. Were appropriate containers used for the tests indicated?..... YES NO

6. Were correct preservatives added to samples?..... YES NO

7. Was sufficient amount of sample sent for tests indicated?..... YES NO

8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO

9. Was the client contacted concerning this sample delivery?..... YES NO

If YES, give details below.

Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/18/06
Units:	ug/L	Received:	04/18/06
Diln Fac:	1.000	Analyzed:	04/18/06
Batch#:	112462		

Field ID: DW-11 Lab ID: 186235-001
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	69-137
Bromofluorobenzene (FID)	106	80-133

Field ID: DW-14 Lab ID: 186235-002
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	250	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	69-137
Bromofluorobenzene (FID)	111	80-133

Type: BLANK Lab ID: QC336089

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	69-137
Bromofluorobenzene (FID)	98	80-133

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC336091	Batch#:	112462
Matrix:	Water	Analyzed:	04/18/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,812	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	69-137
Bromofluorobenzene (FID)	116	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	112462
MSS Lab ID:	186214-001	Sampled:	04/17/06
Matrix:	Water	Received:	04/17/06
Units:	ug/L	Analyzed:	04/18/06
Diln Fac:	1.000		

Type: MS Lab ID: QC336152

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	22.60	2,000	1,739	86	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	69-137
Bromofluorobenzene (FID)	111	80-133

Type: MSD Lab ID: QC336153

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,801	89	80-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	69-137
Bromofluorobenzene (FID)	113	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/18/06
Units:	ug/L	Received:	04/18/06
Diln Fac:	1.000	Prepared:	04/20/06
Batch#:	112589	Analyzed:	04/21/06

Field ID: DW-11 Lab ID: 186235-001
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	107	65-130

Field ID: DW-14 Lab ID: 186235-002
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	110 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	65-130

Field ID: DW-24 Lab ID: 186235-003
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	65-130

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC336588

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	101	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	112589
Units:	ug/L	Prepared:	04/20/06
Diln Fac:	1.000	Analyzed:	04/21/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC336589

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,309	92	61-133

Surrogate	%REC	Limits
Hexacosane	99	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC336590

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,079	83	61-133	10	31

Surrogate	%REC	Limits
Hexacosane	92	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	112604
Lab ID:	186235-001	Sampled:	04/18/06
Matrix:	Water	Received:	04/18/06
Units:	ug/L	Analyzed:	04/21/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	0.6	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	112604
Lab ID:	186235-001	Sampled:	04/18/06
Matrix:	Water	Received:	04/18/06
Units:	ug/L	Analyzed:	04/21/06
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	110	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	112669
Lab ID:	186235-002	Sampled:	04/18/06
Matrix:	Water	Received:	04/18/06
Units:	ug/L	Analyzed:	04/25/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	72	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	19	0.5
Benzene	22	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	1.3	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	6.4	0.5
m,p-Xylenes	5.7	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	1.9	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	112669
Lab ID:	186235-002	Sampled:	04/18/06
Matrix:	Water	Received:	04/18/06
Units:	ug/L	Analyzed:	04/25/06
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	1.7	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	1.9	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	0.8	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	1.3	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	0.6	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112604
Units:	ug/L	Analyzed:	04/21/06
Diln Fac:	1.000		

Type: BS Lab ID: QC336662

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	128.2	103	64-141
Isopropyl Ether (DIPE)	25.00	26.32	105	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	28.30	113	77-129
Methyl tert-Amyl Ether (TAME)	25.00	25.27	101	77-120
1,1-Dichloroethene	25.00	28.52	114	77-128
Benzene	25.00	25.72	103	80-120
Trichloroethene	25.00	26.71	107	80-120
Toluene	25.00	26.03	104	80-120
Chlorobenzene	25.00	24.92	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC336663

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	139.4	111	64-141	8	22
Isopropyl Ether (DIPE)	25.00	25.72	103	68-123	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	28.38	114	77-129	0	20
Methyl tert-Amyl Ether (TAME)	25.00	25.55	102	77-120	1	20
1,1-Dichloroethene	25.00	27.02	108	77-128	5	20
Benzene	25.00	24.28	97	80-120	6	20
Trichloroethene	25.00	25.14	101	80-120	6	20
Toluene	25.00	24.24	97	80-120	7	20
Chlorobenzene	25.00	23.53	94	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336664	Batch#:	112604
Matrix:	Water	Analyzed:	04/21/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336664	Batch#:	112604
Matrix:	Water	Analyzed:	04/21/06
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	110	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112669
Units:	ug/L	Analyzed:	04/24/06
Diln Fac:	1.000		

Type: BS Lab ID: QC336936

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	150.0	153.3	102	64-141
Isopropyl Ether (DIPE)	30.00	29.91	100	68-123
Ethyl tert-Butyl Ether (ETBE)	30.00	33.45	112	77-129
Methyl tert-Amyl Ether (TAME)	30.00	30.34	101	77-120
1,1-Dichloroethene	30.00	34.80	116	77-128
Benzene	30.00	30.97	103	80-120
Trichloroethene	30.00	31.75	106	80-120
Toluene	30.00	31.14	104	80-120
Chlorobenzene	30.00	30.51	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	94	80-122

Type: BSD Lab ID: QC336937

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	150.0	171.5	114	64-141	11	22
Isopropyl Ether (DIPE)	30.00	30.15	100	68-123	1	20
Ethyl tert-Butyl Ether (ETBE)	30.00	33.97	113	77-129	2	20
Methyl tert-Amyl Ether (TAME)	30.00	30.88	103	77-120	2	20
1,1-Dichloroethene	30.00	35.86	120	77-128	3	20
Benzene	30.00	31.37	105	80-120	1	20
Trichloroethene	30.00	31.92	106	80-120	1	20
Toluene	30.00	30.99	103	80-120	0	20
Chlorobenzene	30.00	30.66	102	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	96	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	93	80-122

Batch QC Report

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336939	Batch#:	112669
Matrix:	Water	Analyzed:	04/24/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186235	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC336939	Batch#:	112669
Matrix:	Water	Analyzed:	04/24/06
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	1.0	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	1.1	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	96	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

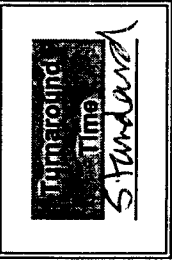
 ND= Not Detected
 RL= Reporting Limit

CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Emeryville Industrial Court
 Job Number: 40690
 Project Manager/Contact: Eric Moxley
 Samplers: Eric Moxley
 Recorder (Signature Required): [Signature]

Analysis Requested	Hold	
	Soil	Silica gel clean-up
PA-dsm	X	X
Fuel Hydrocarbons	X	X
Lead Contaminants	X	X
PH-MRE-820	X	X
PH-MRE-820	X	X



Field Sample Identification No.	Date	Time	Lab Sample No.	No. Containers & Preservative						Remarks		
				Matrix		Preservative						
				Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃		Ice	Other
DW-11	4/18/06	12:15		X			6					Fuel Hydrocarbons include PAHs, FIBRE, PIPE, TBA
DW-14		12:40		X			6					
DW-24		11:30		X			1					

Received On Ice
 Cool Ambient Intact

Relinquished by: (Signature)	Date: <u>4/18/06</u>	Time: <u>13:20</u>
Relinquished by: (Signature)	Date: _____	Time: _____
Relinquished by: (Signature)	Date: _____	Time: _____

Sent to Laboratory (Name): Curtis & Tempk Inc

Laboratory Comments/Notes: _____

Method of Shipment: Hand Carried Private Courier (Co. Name) Lab courier Fed Ex Airborne UPS

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 1 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd



COOLER RECEIPT CHECKLIST

Login#: 186402 Date Received: 4-26-06 Number of Coolers: _____
Client: Treadwell & Rolfe Project: 4069.01

A. Preliminary Examination Phase

- Date Opened: 4-26-06 By (print): Troy Windsor (sign) Troy Windsor
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler?..... YES NO
How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO *N/A*
4. Were custody papers dry and intact when received?..... YES NO
5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
6. Did you sign the custody papers in the appropriate place?..... YES NO
7. Was project identifiable from custody papers?..... YES NO
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: wet Temperature: Cold - no temp mark

B. Login Phase

- Date Logged In: 4-26-06 By (print): Troy Windsor (sign) Troy Windsor
1. Describe type of packing in cooler: In ziploc bags, was wrapped in paper
2. Did all bottles arrive unbroken?..... YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)?.. YES NO
4. Did bottle labels agree with custody papers?..... YES NO
5. Were appropriate containers used for the tests indicated?..... YES NO
6. Were correct preservatives added to samples?..... YES NO
7. Was sufficient amount of sample sent for tests indicated?..... YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
9. Was the client contacted concerning this sample delivery?..... YES NO
If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

B4 - Sample -001 time on LOC = 12:27 time on labels = 13:27
↓ -002 ↓ ↓ ↓ ↓ 13:00 ↓ ↓ ↓ 13:20
↓ -003 ↓ ↓ ↓ ↓ 13:20 ↓ ↓ label ↓ 13:27

Volatile Organics			
Lab #:	186402	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	112943
Lab ID:	186402-001	Sampled:	04/26/06
Matrix:	Water	Received:	04/26/06
Units:	ug/L	Analyzed:	05/02/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	9.8	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186402	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	112899
Lab ID:	186402-002	Sampled:	04/26/06
Matrix:	Water	Received:	04/26/06
Units:	ug/L	Analyzed:	05/01/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	76	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	16	5.0
Benzene	42	0.5
Toluene	4.9	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	14	0.5
m,p-Xylenes	6.8	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	95	80-120
Bromofluorobenzene	89	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186402	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112899
Units:	ug/L	Analyzed:	05/01/06
Diln Fac:	1.000		

Type: BS Lab ID: QC337867

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	140.2	112	64-141
MTBE	25.00	20.60	82	72-120
Isopropyl Ether (DIPE)	25.00	20.32	81	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	21.94	88	77-129
Methyl tert-Amyl Ether (TAME)	25.00	22.46	90	77-120
Benzene	25.00	25.03	100	80-120
Toluene	25.00	22.74	91	80-120
Ethylbenzene	25.00	24.89	100	80-120
m,p-Xylenes	50.00	49.02	98	80-121
o-Xylene	25.00	24.43	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	96	80-130
Toluene-d8	90	80-120
Bromofluorobenzene	87	80-122

Type: BSD Lab ID: QC337868

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	128.8	103	64-141	8	22
MTBE	25.00	19.35	77	72-120	6	20
Isopropyl Ether (DIPE)	25.00	18.63	75	68-123	9	20
Ethyl tert-Butyl Ether (ETBE)	25.00	20.55	82	77-129	7	20
Methyl tert-Amyl Ether (TAME)	25.00	22.37	89	77-120	0	20
Benzene	25.00	22.84	91	80-120	9	20
Toluene	25.00	21.39	86	80-120	6	20
Ethylbenzene	25.00	23.02	92	80-120	8	20
m,p-Xylenes	50.00	44.80	90	80-121	9	20
o-Xylene	25.00	22.66	91	80-120	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	95	80-130
Toluene-d8	91	80-120
Bromofluorobenzene	88	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186402	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC337962	Batch#:	112899
Matrix:	Water	Analyzed:	05/01/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	97	80-130
Toluene-d8	92	80-120
Bromofluorobenzene	94	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186402	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	112943
Units:	ug/L	Analyzed:	05/02/06
Diln Fac:	1.000		

Type: BS Lab ID: QC338053

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	108.4	87	64-141
MTBE	25.00	20.54	82	72-120
Isopropyl Ether (DIPE)	25.00	22.89	92	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	22.20	89	77-129
Methyl tert-Amyl Ether (TAME)	25.00	23.47	94	77-120
Benzene	25.00	24.43	98	80-120
Toluene	25.00	25.50	102	80-120
Ethylbenzene	25.00	25.63	103	80-120
m,p-Xylenes	50.00	50.93	102	80-121
o-Xylene	25.00	25.97	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC338054

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	106.4	85	64-141	2	22
MTBE	25.00	19.48	78	72-120	5	20
Isopropyl Ether (DIPE)	25.00	22.63	91	68-123	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	21.56	86	77-129	3	20
Methyl tert-Amyl Ether (TAME)	25.00	22.83	91	77-120	3	20
Benzene	25.00	22.80	91	80-120	7	20
Toluene	25.00	22.80	91	80-120	11	20
Ethylbenzene	25.00	24.33	97	80-120	5	20
m,p-Xylenes	50.00	47.10	94	80-121	8	20
o-Xylene	25.00	24.13	97	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-122

Batch QC Report

Volatile Organics			
Lab #:	186402	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC338055	Batch#:	112943
Matrix:	Water	Analyzed:	05/02/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-122

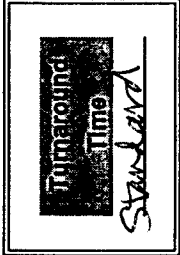
ND= Not Detected

RL= Reporting Limit

CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Emeryville Industrial Court
 Job Number: 44601
 Project Manager/Contact: Alexander
 Samplers: EVIL MURPHY
 Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix	No. Containers & Preservatives							Analysis Requested	Remarks	Date	Time
					Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃	Ice				
DN-11	4/26/06	12:27		X								<input checked="" type="checkbox"/> TPH-gas <input checked="" type="checkbox"/> TPH-aqueous <input checked="" type="checkbox"/> Fuel Oxidizables <input checked="" type="checkbox"/> Ethanol - 8260 <input checked="" type="checkbox"/> BTEX/MPDE - 8260 <input checked="" type="checkbox"/> Lead & Arsenic	44	4-26-06	14:10
DN-14	4/26/06	13:00		X											
DN-24	4/26/06	13:20		X											
												Received by: (Signature) <u>[Signature]</u> Date <u>4-26-06</u> Time <u>14:10</u> Relinquished by: (Signature) <u>[Signature]</u> Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____			
Sent to Laboratory (Name): <u>Curtis A Tompkins</u> Laboratory Comments/Notes: _____												Received by Lab: (Signature) _____ Date _____ Time _____ Method of Shipment: <input checked="" type="checkbox"/> Hand Carried <input type="checkbox"/> Private Courier (Co. Name) _____ <input type="checkbox"/> Fed Ex <input type="checkbox"/> Airborne <input type="checkbox"/> UPS			

Total Volatile Hydrocarbons

Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/03/06
Units:	ug/L	Received:	05/03/06
Diln Fac:	1.000	Analyzed:	05/04/06
Batch#:	113073		

Field ID: DW-11 Lab ID: 186548-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	69-137
Bromofluorobenzene (FID)	104	80-133

Field ID: DW-14 Lab ID: 186548-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	620	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	69-137
Bromofluorobenzene (FID)	121	80-133

Type: BLANK Lab ID: QC338546

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	93	80-133

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC338547	Batch#:	113073
Matrix:	Water	Analyzed:	05/04/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,866	93	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	69-137
Bromofluorobenzene (FID)	113	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	113073
MSS Lab ID:	186562-004	Sampled:	05/03/06
Matrix:	Water	Received:	05/03/06
Units:	ug/L	Analyzed:	05/05/06
Diln Fac:	1.000		

Type: MS Lab ID: QC338548

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	17.38	2,000	1,708	85	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	69-137
Bromofluorobenzene (FID)	108	80-133

Type: MSD Lab ID: QC338549

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,746	86	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	69-137
Bromofluorobenzene (FID)	108	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/03/06
Units:	ug/L	Received:	05/03/06
Diln Fac:	1.000	Prepared:	05/04/06
Batch#:	113074		

Field ID: DW-11	Analyzed: 05/05/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186548-001	

Analyte	Result	RL
Diesel C10-C24	130 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	109	65-130

Field ID: DW-14	Analyzed: 05/05/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186548-002	

Analyte	Result	RL
Diesel C10-C24	370 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	65-130

Field ID: DW-24	Analyzed: 05/05/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 186548-003	

Analyte	Result	RL
Diesel C10-C24	63 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	123	65-130

Type: BLANK	Analyzed: 05/06/06
Lab ID: QC338550	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	84	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC338551	Batch#:	113074
Matrix:	Water	Prepared:	05/04/06
Units:	ug/L	Analyzed:	05/06/06

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,818	73	61-133

Surrogate	%REC	Limits
Hexacosane	77	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	113074
MSS Lab ID:	186486-008	Sampled:	05/01/06
Matrix:	Water	Received:	05/01/06
Units:	ug/L	Prepared:	05/04/06
Diln Fac:	1.000	Analyzed:	05/06/06

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC338552

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<20.89	2,500	2,137	85	55-134

Surrogate	%REC	Limits
Hexacosane	95	65-130

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC338553

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,052	82	55-134	4	27

Surrogate	%REC	Limits
Hexacosane	91	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	113245
Lab ID:	186548-001	Sampled:	05/03/06
Matrix:	Water	Received:	05/03/06
Units:	ug/L	Analyzed:	05/11/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	2.3	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	117	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	111	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	113245
Lab ID:	186548-002	Sampled:	05/03/06
Matrix:	Water	Received:	05/03/06
Units:	ug/L	Analyzed:	05/11/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	64	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	18	5.0
Benzene	39	0.5
Toluene	1.8	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	21	0.5
m,p-Xylenes	10	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	110	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC339230	Batch#:	113245
Matrix:	Water	Analyzed:	05/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	142.8	114	64-141
MTBE	25.00	25.13	101	72-120
Isopropyl Ether (DIPE)	25.00	26.61	106	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	28.37	113	77-129
Methyl tert-Amyl Ether (TAME)	25.00	25.57	102	77-120
Benzene	25.00	26.04	104	80-120
Toluene	25.00	26.64	107	80-120
Ethylbenzene	25.00	26.10	104	80-120
m,p-Xylenes	50.00	53.63	107	80-121
o-Xylene	25.00	26.50	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	96	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	97	80-122

Batch QC Report

Volatile Organics			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC339231	Batch#:	113245
Matrix:	Water	Analyzed:	05/10/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	114	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC339232	Batch#:	113245
Matrix:	Water	Analyzed:	05/10/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186548	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	113245
MSS Lab ID:	186498-007	Sampled:	05/01/06
Matrix:	Water	Received:	05/01/06
Units:	ug/L	Analyzed:	05/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC339299

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<0.9409	125.0	146.6	117	68-148
MTBE	<0.05057	25.00	28.67	115	75-120
Isopropyl Ether (DIPE)	<0.05253	25.00	33.86	135 *	74-125
Ethyl tert-Butyl Ether (ETBE)	<0.07498	25.00	34.13	137 *	80-131
Methyl tert-Amyl Ether (TAME)	<0.03238	25.00	28.13	113	78-120
Benzene	0.1424	25.00	29.05	116	80-122
Toluene	<0.06277	25.00	29.50	118	80-120
Ethylbenzene	<0.06039	25.00	28.71	115	80-121
m,p-Xylenes	<0.1256	50.00	57.94	116	80-121
o-Xylene	<0.1095	25.00	28.14	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	117	80-120
1,2-Dichloroethane-d4	130	80-130
Toluene-d8	110	80-120
Bromofluorobenzene	98	80-122

Type: MSD Lab ID: QC339300

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	151.0	121	68-148	3	23
MTBE	25.00	27.75	111	75-120	3	20
Isopropyl Ether (DIPE)	25.00	31.79	127 *	74-125	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	32.78	131	80-131	4	20
Methyl tert-Amyl Ether (TAME)	25.00	27.69	111	78-120	2	20
Benzene	25.00	27.58	110	80-122	5	20
Toluene	25.00	27.68	111	80-120	6	20
Ethylbenzene	25.00	27.54	110	80-121	4	20
m,p-Xylenes	50.00	54.67	109	80-121	6	20
o-Xylene	25.00	26.87	107	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	120	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	102	80-122

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

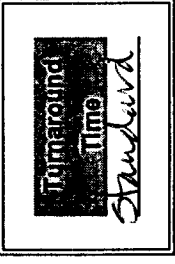
Site Name: Emeryville Industrial Court

Job Number: 4009.0

Project Manager/Contact: Carol Leung

Samplers: Eric Morita

Recorder (Signature Required): [Signature]



Analysis Requested		Hold
	Silica gel clean-up	
<input checked="" type="checkbox"/> TPH-gas	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> TPH-d,m,p	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Fuel Oxygenates	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Ethanol-8200	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Diox/MTBE-8200	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Lead Screenings	<input checked="" type="checkbox"/>	

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix		No. Containers & Preservative				Remarks	
				Soil	Water	HCl	H ₂ SO ₄	HNO ₃	Ice		Other
DW-11	5/3/06	10:50		X		6					
DW-14	↓	11:15		X		4					
DW-24	↓	10:30		X		4					

Relinquished by: (Signature) [Signature] Date: 5/3/06 Time: 12:20

Relinquished by: (Signature) [Signature] Date: 5/3/06 Time:

Relinquished by: (Signature) Date: Time:

Method of Shipment: Hand Carried Private Courier (Co. Name) Lab courier Fed Ex Airborne UPS

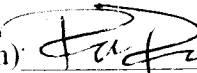
-1
-2
-3

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: 003537

COOLER RECEIPT CHECKLIST

Login#: 186548 Date Received: 5/3/06 Number of Coolers: 1
Client: Treadwell & Kelle Project: Emeryville Indus. Ct.

A. Preliminary Examination Phase

Date Opened: 5/3/06 By (print): Ron P. (sign) 

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO

If YES, enter carrier name and airbill number: _____

2. Were custody seals on outside of cooler?..... YES NO

How many and where? _____ Seal date: _____ Seal name: _____

3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A

4. Were custody papers dry and intact when received?..... YES NO

5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO

6. Did you sign the custody papers in the appropriate place?..... YES NO


7. Was project identifiable from custody papers?..... YES NO

If YES, enter project name at the top of this form.

8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO

Type of ice: wet Temperature: on ice - no temp

B. Login Phase

Date Logged In: 5/3/06 By (print): Ron P. (sign) 

1. Describe type of packing in cooler: Ziploc bags + towels

2. Did all bottles arrive unbroken?..... YES NO

3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO

4. Did bottle labels agree with custody papers?..... YES NO

5. Were appropriate containers used for the tests indicated?..... YES NO

6. Were correct preservatives added to samples?..... YES NO

7. Was sufficient amount of sample sent for tests indicated?..... YES NO

8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO

9. Was the client contacted concerning this sample delivery?..... YES NO

If YES, give details below.

Who was called? _____ By whom? _____ Date: _____

Additional Comments:

* Sample DW-24 Coc says 7 containers - 1 received.

Total Volatile Hydrocarbons

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	113096
Units:	mg/Kg	Sampled:	05/04/06
Basis:	as received	Received:	05/04/06
Diln Fac:	1.000		

Field ID: TR-53 Lab ID: 186612-005
 Type: SAMPLE Analyzed: 05/05/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	87	62-137
Bromofluorobenzene (FID)	100	60-148

Field ID: TR-54 Lab ID: 186612-006
 Type: SAMPLE Analyzed: 05/05/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	82	62-137
Bromofluorobenzene (FID)	94	60-148

Field ID: TR-55 Lab ID: 186612-007
 Type: SAMPLE Analyzed: 05/05/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-137
Bromofluorobenzene (FID)	99	60-148

Field ID: TR-56 Lab ID: 186612-008
 Type: SAMPLE Analyzed: 05/05/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.94

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	62-137
Bromofluorobenzene (FID)	101	60-148

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	113096
Units:	mg/Kg	Sampled:	05/04/06
Basis:	as received	Received:	05/04/06
Diln Fac:	1.000		

Field ID: TR-43 Lab ID: 186612-009
 Type: SAMPLE Analyzed: 05/05/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.98
Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-137
Bromofluorobenzene (FID)	101	60-148

Field ID: TR-42 Lab ID: 186612-010
 Type: SAMPLE Analyzed: 05/06/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.1
Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	62-137
Bromofluorobenzene (FID)	99	60-148

Field ID: TR-41 Lab ID: 186612-011
 Type: SAMPLE Analyzed: 05/06/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-137
Bromofluorobenzene (FID)	101	60-148

Field ID: TR-40 Lab ID: 186612-012
 Type: SAMPLE Analyzed: 05/06/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.96
Surrogate	%REC	Limits
Trifluorotoluene (FID)	87	62-137
Bromofluorobenzene (FID)	99	60-148

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Volatile Hydrocarbons

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	113096
Units:	mg/Kg	Sampled:	05/04/06
Basis:	as received	Received:	05/04/06
Diln Fac:	1.000		

Field ID:	TR-39	Lab ID:	186612-013
Type:	SAMPLE	Analyzed:	05/06/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-137
Bromofluorobenzene (FID)	106	60-148

Type:	BLANK	Analyzed:	05/05/06
Lab ID:	QC338642		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	62-137
Bromofluorobenzene (FID)	100	60-148

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC338644	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113096
Units:	mg/Kg	Analyzed:	05/05/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.194	92	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	62-137
Bromofluorobenzene (FID)	122	60-148

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-49	Diln Fac:	1.000
MSS Lab ID:	186612-004	Batch#:	113096
Matrix:	Soil	Sampled:	05/04/06
Units:	mg/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/06/06

Type: MS Lab ID: QC338800

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1338	9.091	7.871	87	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	62-137
Bromofluorobenzene (FID)	115	60-148

Type: MSD Lab ID: QC338801

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.434	8.033	85	38-120	2	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	62-137
Bromofluorobenzene (FID)	110	60-148

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	113170
Units:	mg/Kg	Sampled:	05/04/06
Basis:	as received	Received:	05/04/06
Diln Fac:	1.000	Prepared:	05/08/06

Field ID: TR-52 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-001

Analyte	Result	RL
Diesel C10-C24	1.9 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	86	48-130

Field ID: TR-51 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-002

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	73	48-130

Field ID: TR-50 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-003

Analyte	Result	RL
Diesel C10-C24	2.0 H Y	1.0
Motor Oil C24-C36	6.0	5.0

Surrogate	%REC	Limits
Hexacosane	94	48-130

Field ID: TR-49 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-004

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	48-130

H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	113170
Units:	mg/Kg	Sampled:	05/04/06
Basis:	as received	Received:	05/04/06
Diln Fac:	1.000	Prepared:	05/08/06

Field ID: TR-53 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-005

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	93	48-130

Field ID: TR-54 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-006

Analyte	Result	RL
Diesel C10-C24	2.0 H Y	1.0
Motor Oil C24-C36	5.8	5.0

Surrogate	%REC	Limits
Hexacosane	75	48-130

Field ID: TR-55 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-007

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	69	48-130

Field ID: TR-56 Analyzed: 05/10/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 186612-008

Analyte	Result	RL
Diesel C10-C24	1.4 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	83	48-130

H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	113170
Units:	mg/Kg	Sampled:	05/04/06
Basis:	as received	Received:	05/04/06
Diln Fac:	1.000	Prepared:	05/08/06

Type: BLANK Analyzed: 05/09/06
 Lab ID: QC338965 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	92	48-130

H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC338966	Batch#:	113170
Matrix:	Soil	Prepared:	05/08/06
Units:	mg/Kg	Analyzed:	05/09/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.28	40.90	81	59-133

Surrogate	%REC	Limits
Hexacosane	98	48-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	113170
MSS Lab ID:	186622-008	Sampled:	05/02/06
Matrix:	Soil	Received:	05/05/06
Units:	mg/Kg	Prepared:	05/08/06
Basis:	as received	Analyzed:	05/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC338967

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	5.459	50.25	49.80	88	37-153

Surrogate	%REC	Limits
Hexacosane	97	48-130

Type: MSD Lab ID: QC338968

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.37	48.14	85	37-153	4	43

Surrogate	%REC	Limits
Hexacosane	95	48-130

RPD= Relative Percent Difference

Purgeable Organics by GC/MS

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-41	Basis:	as received
Lab ID:	186612-011	Sampled:	05/04/06
Matrix:	Soil	Received:	05/04/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.4	0.9434	113367	05/12/06
Chloromethane	ND	9.4	0.9434	113367	05/12/06
Vinyl Chloride	ND	9.4	0.9434	113367	05/12/06
Bromomethane	ND	9.4	0.9434	113367	05/12/06
Chloroethane	ND	9.4	0.9434	113367	05/12/06
Trichlorofluoromethane	ND	4.7	0.9434	113367	05/12/06
Acetone	ND	24	0.9434	113367	05/12/06
Freon 113	ND	4.7	0.9434	113367	05/12/06
1,1-Dichloroethene	ND	4.7	0.9434	113367	05/12/06
Methylene Chloride	170	100	5.000	113442	05/15/06
Carbon Disulfide	ND	4.7	0.9434	113367	05/12/06
MTBE	ND	4.7	0.9434	113367	05/12/06
trans-1,2-Dichloroethene	ND	4.7	0.9434	113367	05/12/06
Vinyl Acetate	ND	47	0.9434	113367	05/12/06
1,1-Dichloroethane	ND	4.7	0.9434	113367	05/12/06
2-Butanone	ND	9.4	0.9434	113367	05/12/06
cis-1,2-Dichloroethene	ND	4.7	0.9434	113367	05/12/06
2,2-Dichloropropane	ND	4.7	0.9434	113367	05/12/06
Chloroform	ND	4.7	0.9434	113367	05/12/06
Bromochloromethane	ND	4.7	0.9434	113367	05/12/06
1,1,1-Trichloroethane	ND	4.7	0.9434	113367	05/12/06
1,1-Dichloropropene	ND	4.7	0.9434	113367	05/12/06
Carbon Tetrachloride	ND	4.7	0.9434	113367	05/12/06
1,2-Dichloroethane	ND	4.7	0.9434	113367	05/12/06
Benzene	ND	4.7	0.9434	113367	05/12/06
Trichloroethene	ND	4.7	0.9434	113367	05/12/06
1,2-Dichloropropane	ND	4.7	0.9434	113367	05/12/06
Bromodichloromethane	ND	4.7	0.9434	113367	05/12/06
Dibromomethane	ND	4.7	0.9434	113367	05/12/06
4-Methyl-2-Pentanone	ND	9.4	0.9434	113367	05/12/06
cis-1,3-Dichloropropene	ND	4.7	0.9434	113367	05/12/06
Toluene	ND	4.7	0.9434	113367	05/12/06
trans-1,3-Dichloropropene	ND	4.7	0.9434	113367	05/12/06
1,1,2-Trichloroethane	ND	4.7	0.9434	113367	05/12/06
2-Hexanone	ND	9.4	0.9434	113367	05/12/06
1,3-Dichloropropane	ND	4.7	0.9434	113367	05/12/06
Tetrachloroethene	ND	4.7	0.9434	113367	05/12/06
Dibromochloromethane	ND	4.7	0.9434	113367	05/12/06

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-41	Basis:	as received
Lab ID:	186612-011	Sampled:	05/04/06
Matrix:	Soil	Received:	05/04/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	4.7	0.9434	113367	05/12/06
Chlorobenzene	ND	4.7	0.9434	113367	05/12/06
1,1,1,2-Tetrachloroethane	ND	4.7	0.9434	113367	05/12/06
Ethylbenzene	ND	4.7	0.9434	113367	05/12/06
m,p-Xylenes	ND	4.7	0.9434	113367	05/12/06
o-Xylene	ND	4.7	0.9434	113367	05/12/06
Styrene	ND	4.7	0.9434	113367	05/12/06
Bromoform	ND	4.7	0.9434	113367	05/12/06
Isopropylbenzene	ND	4.7	0.9434	113367	05/12/06
1,1,2,2-Tetrachloroethane	ND	4.7	0.9434	113367	05/12/06
1,2,3-Trichloropropane	ND	4.7	0.9434	113367	05/12/06
Propylbenzene	ND	4.7	0.9434	113367	05/12/06
Bromobenzene	ND	4.7	0.9434	113367	05/12/06
1,3,5-Trimethylbenzene	ND	4.7	0.9434	113367	05/12/06
2-Chlorotoluene	ND	4.7	0.9434	113367	05/12/06
4-Chlorotoluene	ND	4.7	0.9434	113367	05/12/06
tert-Butylbenzene	ND	4.7	0.9434	113367	05/12/06
1,2,4-Trimethylbenzene	ND	4.7	0.9434	113367	05/12/06
sec-Butylbenzene	ND	4.7	0.9434	113367	05/12/06
para-Isopropyl Toluene	ND	4.7	0.9434	113367	05/12/06
1,3-Dichlorobenzene	ND	4.7	0.9434	113367	05/12/06
1,4-Dichlorobenzene	ND	4.7	0.9434	113367	05/12/06
n-Butylbenzene	ND	4.7	0.9434	113367	05/12/06
1,2-Dichlorobenzene	ND	4.7	0.9434	113367	05/12/06
1,2-Dibromo-3-Chloropropane	ND	4.7	0.9434	113367	05/12/06
1,2,4-Trichlorobenzene	ND	4.7	0.9434	113367	05/12/06
Hexachlorobutadiene	ND	4.7	0.9434	113367	05/12/06
Naphthalene	ND	4.7	0.9434	113367	05/12/06
1,2,3-Trichlorobenzene	ND	4.7	0.9434	113367	05/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	102	79-120	0.9434	113367	05/12/06
1,2-Dichloroethane-d4	105	76-130	0.9434	113367	05/12/06
Toluene-d8	100	80-120	0.9434	113367	05/12/06
Bromofluorobenzene	103	80-126	0.9434	113367	05/12/06

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-40	Basis:	as received
Lab ID:	186612-012	Sampled:	05/04/06
Matrix:	Soil	Received:	05/04/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.6	0.9615	113367	05/12/06
Chloromethane	ND	9.6	0.9615	113367	05/12/06
Vinyl Chloride	ND	9.6	0.9615	113367	05/12/06
Bromomethane	ND	9.6	0.9615	113367	05/12/06
Chloroethane	ND	9.6	0.9615	113367	05/12/06
Trichlorofluoromethane	ND	4.8	0.9615	113367	05/12/06
Acetone	ND	24	0.9615	113367	05/12/06
Freon 113	ND	4.8	0.9615	113367	05/12/06
1,1-Dichloroethene	ND	4.8	0.9615	113367	05/12/06
Methylene Chloride	220	91	4.545	113442	05/15/06
Carbon Disulfide	ND	4.8	0.9615	113367	05/12/06
MTBE	ND	4.8	0.9615	113367	05/12/06
trans-1,2-Dichloroethene	ND	4.8	0.9615	113367	05/12/06
Vinyl Acetate	ND	48	0.9615	113367	05/12/06
1,1-Dichloroethane	ND	4.8	0.9615	113367	05/12/06
2-Butanone	ND	9.6	0.9615	113367	05/12/06
cis-1,2-Dichloroethene	ND	4.8	0.9615	113367	05/12/06
2,2-Dichloropropane	ND	4.8	0.9615	113367	05/12/06
Chloroform	ND	4.8	0.9615	113367	05/12/06
Bromochloromethane	ND	4.8	0.9615	113367	05/12/06
1,1,1-Trichloroethane	ND	4.8	0.9615	113367	05/12/06
1,1-Dichloropropene	ND	4.8	0.9615	113367	05/12/06
Carbon Tetrachloride	ND	4.8	0.9615	113367	05/12/06
1,2-Dichloroethane	ND	4.8	0.9615	113367	05/12/06
Benzene	ND	4.8	0.9615	113367	05/12/06
Trichloroethene	ND	4.8	0.9615	113367	05/12/06
1,2-Dichloropropane	ND	4.8	0.9615	113367	05/12/06
Bromodichloromethane	ND	4.8	0.9615	113367	05/12/06
Dibromomethane	ND	4.8	0.9615	113367	05/12/06
4-Methyl-2-Pentanone	ND	9.6	0.9615	113367	05/12/06
cis-1,3-Dichloropropene	ND	4.8	0.9615	113367	05/12/06
Toluene	ND	4.8	0.9615	113367	05/12/06
trans-1,3-Dichloropropene	ND	4.8	0.9615	113367	05/12/06
1,1,2-Trichloroethane	ND	4.8	0.9615	113367	05/12/06
2-Hexanone	ND	9.6	0.9615	113367	05/12/06
1,3-Dichloropropane	ND	4.8	0.9615	113367	05/12/06
Tetrachloroethene	ND	4.8	0.9615	113367	05/12/06
Dibromochloromethane	ND	4.8	0.9615	113367	05/12/06

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-40	Basis:	as received
Lab ID:	186612-012	Sampled:	05/04/06
Matrix:	Soil	Received:	05/04/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	4.8	0.9615	113367	05/12/06
Chlorobenzene	ND	4.8	0.9615	113367	05/12/06
1,1,1,2-Tetrachloroethane	ND	4.8	0.9615	113367	05/12/06
Ethylbenzene	ND	4.8	0.9615	113367	05/12/06
m,p-Xylenes	ND	4.8	0.9615	113367	05/12/06
o-Xylene	ND	4.8	0.9615	113367	05/12/06
Styrene	ND	4.8	0.9615	113367	05/12/06
Bromoform	ND	4.8	0.9615	113367	05/12/06
Isopropylbenzene	ND	4.8	0.9615	113367	05/12/06
1,1,2,2-Tetrachloroethane	ND	4.8	0.9615	113367	05/12/06
1,2,3-Trichloropropane	ND	4.8	0.9615	113367	05/12/06
Propylbenzene	ND	4.8	0.9615	113367	05/12/06
Bromobenzene	ND	4.8	0.9615	113367	05/12/06
1,3,5-Trimethylbenzene	ND	4.8	0.9615	113367	05/12/06
2-Chlorotoluene	ND	4.8	0.9615	113367	05/12/06
4-Chlorotoluene	ND	4.8	0.9615	113367	05/12/06
tert-Butylbenzene	ND	4.8	0.9615	113367	05/12/06
1,2,4-Trimethylbenzene	ND	4.8	0.9615	113367	05/12/06
sec-Butylbenzene	ND	4.8	0.9615	113367	05/12/06
para-Isopropyl Toluene	ND	4.8	0.9615	113367	05/12/06
1,3-Dichlorobenzene	ND	4.8	0.9615	113367	05/12/06
1,4-Dichlorobenzene	ND	4.8	0.9615	113367	05/12/06
n-Butylbenzene	ND	4.8	0.9615	113367	05/12/06
1,2-Dichlorobenzene	ND	4.8	0.9615	113367	05/12/06
1,2-Dibromo-3-Chloropropane	ND	4.8	0.9615	113367	05/12/06
1,2,4-Trichlorobenzene	ND	4.8	0.9615	113367	05/12/06
Hexachlorobutadiene	ND	4.8	0.9615	113367	05/12/06
Naphthalene	ND	4.8	0.9615	113367	05/12/06
1,2,3-Trichlorobenzene	ND	4.8	0.9615	113367	05/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	103	79-120	0.9615	113367	05/12/06
1,2-Dichloroethane-d4	107	76-130	0.9615	113367	05/12/06
Toluene-d8	98	80-120	0.9615	113367	05/12/06
Bromofluorobenzene	108	80-126	0.9615	113367	05/12/06

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-39	Basis:	as received
Lab ID:	186612-013	Sampled:	05/04/06
Matrix:	Soil	Received:	05/04/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.8	0.9804	113367	05/12/06
Chloromethane	ND	9.8	0.9804	113367	05/12/06
Vinyl Chloride	ND	9.8	0.9804	113367	05/12/06
Bromomethane	ND	9.8	0.9804	113367	05/12/06
Chloroethane	ND	9.8	0.9804	113367	05/12/06
Trichlorofluoromethane	ND	4.9	0.9804	113367	05/12/06
Acetone	ND	25	0.9804	113367	05/12/06
Freon 113	ND	4.9	0.9804	113367	05/12/06
1,1-Dichloroethene	ND	4.9	0.9804	113367	05/12/06
Methylene Chloride	180	100	5.000	113442	05/15/06
Carbon Disulfide	ND	4.9	0.9804	113367	05/12/06
MTBE	ND	4.9	0.9804	113367	05/12/06
trans-1,2-Dichloroethene	ND	4.9	0.9804	113367	05/12/06
Vinyl Acetate	ND	49	0.9804	113367	05/12/06
1,1-Dichloroethane	ND	4.9	0.9804	113367	05/12/06
2-Butanone	ND	9.8	0.9804	113367	05/12/06
cis-1,2-Dichloroethene	ND	4.9	0.9804	113367	05/12/06
2,2-Dichloropropane	ND	4.9	0.9804	113367	05/12/06
Chloroform	ND	4.9	0.9804	113367	05/12/06
Bromochloromethane	ND	4.9	0.9804	113367	05/12/06
1,1,1-Trichloroethane	ND	4.9	0.9804	113367	05/12/06
1,1-Dichloropropene	ND	4.9	0.9804	113367	05/12/06
Carbon Tetrachloride	ND	4.9	0.9804	113367	05/12/06
1,2-Dichloroethane	ND	4.9	0.9804	113367	05/12/06
Benzene	ND	4.9	0.9804	113367	05/12/06
Trichloroethene	ND	4.9	0.9804	113367	05/12/06
1,2-Dichloropropane	ND	4.9	0.9804	113367	05/12/06
Bromodichloromethane	ND	4.9	0.9804	113367	05/12/06
Dibromomethane	ND	4.9	0.9804	113367	05/12/06
4-Methyl-2-Pentanone	ND	9.8	0.9804	113367	05/12/06
cis-1,3-Dichloropropene	ND	4.9	0.9804	113367	05/12/06
Toluene	ND	4.9	0.9804	113367	05/12/06
trans-1,3-Dichloropropene	ND	4.9	0.9804	113367	05/12/06
1,1,2-Trichloroethane	ND	4.9	0.9804	113367	05/12/06
2-Hexanone	ND	9.8	0.9804	113367	05/12/06
1,3-Dichloropropane	ND	4.9	0.9804	113367	05/12/06
Tetrachloroethene	ND	4.9	0.9804	113367	05/12/06
Dibromochloromethane	ND	4.9	0.9804	113367	05/12/06

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-39	Basis:	as received
Lab ID:	186612-013	Sampled:	05/04/06
Matrix:	Soil	Received:	05/04/06
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	4.9	0.9804	113367	05/12/06
Chlorobenzene	ND	4.9	0.9804	113367	05/12/06
1,1,1,2-Tetrachloroethane	ND	4.9	0.9804	113367	05/12/06
Ethylbenzene	ND	4.9	0.9804	113367	05/12/06
m,p-Xylenes	ND	4.9	0.9804	113367	05/12/06
o-Xylene	ND	4.9	0.9804	113367	05/12/06
Styrene	ND	4.9	0.9804	113367	05/12/06
Bromoform	ND	4.9	0.9804	113367	05/12/06
Isopropylbenzene	ND	4.9	0.9804	113367	05/12/06
1,1,2,2-Tetrachloroethane	ND	4.9	0.9804	113367	05/12/06
1,2,3-Trichloropropane	ND	4.9	0.9804	113367	05/12/06
Propylbenzene	ND	4.9	0.9804	113367	05/12/06
Bromobenzene	ND	4.9	0.9804	113367	05/12/06
1,3,5-Trimethylbenzene	ND	4.9	0.9804	113367	05/12/06
2-Chlorotoluene	ND	4.9	0.9804	113367	05/12/06
4-Chlorotoluene	ND	4.9	0.9804	113367	05/12/06
tert-Butylbenzene	ND	4.9	0.9804	113367	05/12/06
1,2,4-Trimethylbenzene	ND	4.9	0.9804	113367	05/12/06
sec-Butylbenzene	ND	4.9	0.9804	113367	05/12/06
para-Isopropyl Toluene	ND	4.9	0.9804	113367	05/12/06
1,3-Dichlorobenzene	ND	4.9	0.9804	113367	05/12/06
1,4-Dichlorobenzene	ND	4.9	0.9804	113367	05/12/06
n-Butylbenzene	ND	4.9	0.9804	113367	05/12/06
1,2-Dichlorobenzene	ND	4.9	0.9804	113367	05/12/06
1,2-Dibromo-3-Chloropropane	ND	4.9	0.9804	113367	05/12/06
1,2,4-Trichlorobenzene	ND	4.9	0.9804	113367	05/12/06
Hexachlorobutadiene	ND	4.9	0.9804	113367	05/12/06
Naphthalene	ND	4.9	0.9804	113367	05/12/06
1,2,3-Trichlorobenzene	ND	4.9	0.9804	113367	05/12/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	102	79-120	0.9804	113367	05/12/06
1,2-Dichloroethane-d4	110	76-130	0.9804	113367	05/12/06
Toluene-d8	100	80-120	0.9804	113367	05/12/06
Bromofluorobenzene	108	80-126	0.9804	113367	05/12/06

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC339743	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113367
Units:	ug/Kg	Analyzed:	05/12/06

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.43	114	79-132
Benzene	25.00	25.78	103	80-120
Trichloroethene	25.00	27.54	110	80-121
Toluene	25.00	26.00	104	80-120
Chlorobenzene	25.00	27.62	110	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	93	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-126

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC339744	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113367
Units:	ug/Kg	Analyzed:	05/12/06

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	25
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC339744	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113367
Units:	ug/Kg	Analyzed:	05/12/06

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-56	Diln Fac:	0.9259
MSS Lab ID:	186612-008	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received		

Type: MS Analyzed: 05/12/06
 Lab ID: QC339788

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.8526	23.15	26.44	114	72-135
Benzene	<0.2323	23.15	21.96	95	67-120
Trichloroethene	<0.2519	23.15	23.15	100	65-131
Toluene	<0.2174	23.15	22.08	95	62-120
Chlorobenzene	<0.3620	23.15	22.81	99	59-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	93	80-120
Bromofluorobenzene	107	80-126

Type: MSD Analyzed: 05/13/06
 Lab ID: QC339789

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	23.15	24.15	104	72-135	9	22
Benzene	23.15	21.39	92	67-120	3	20
Trichloroethene	23.15	21.82	94	65-131	6	20
Toluene	23.15	21.79	94	62-120	1	20
Chlorobenzene	23.15	21.69	94	59-120	5	21

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-126

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC340058	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113442
Units:	ug/Kg	Analyzed:	05/15/06

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.77	111	79-132
Benzene	25.00	26.47	106	80-120
Trichloroethene	25.00	26.99	108	80-121
Toluene	25.00	27.27	109	80-120
Chlorobenzene	25.00	28.30	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	79	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	97	80-126

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC340059	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113442
Units:	ug/Kg	Analyzed:	05/15/06

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	25
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC340059	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113442
Units:	ug/Kg	Analyzed:	05/15/06

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	90	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9434
MSS Lab ID:	186737-001	Batch#:	113442
Matrix:	Soil	Sampled:	05/10/06
Units:	ug/Kg	Received:	05/11/06
Basis:	as received	Analyzed:	05/16/06

Type: MS Lab ID: QC340092

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.8687	23.58	21.54	91	72-135
Benzene	<0.2367	23.58	19.78	84	67-120
Trichloroethene	<0.2567	23.58	20.50	87	65-131
Toluene	<0.2215	23.58	19.48	83	62-120
Chlorobenzene	<0.3688	23.58	18.20	77	59-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	79-120
1,2-Dichloroethane-d4	77	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-126

Type: MSD Lab ID: QC340093

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	23.58	22.60	96	72-135	5	22
Benzene	23.58	20.76	88	67-120	5	20
Trichloroethene	23.58	20.43	87	65-131	0	20
Toluene	23.58	18.82	80	62-120	3	20
Chlorobenzene	23.58	17.68	75	59-120	3	21

Surrogate	%REC	Limits
Dibromofluoromethane	91	79-120
1,2-Dichloroethane-d4	78	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	97	80-126

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-52	Diln Fac:	1.000
Lab ID:	186612-001	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	7.6	5.0
m,p-Xylenes	7.1	5.0
o-Xylene	ND	5.0
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	105	76-130
Toluene-d8	107	80-120
Bromofluorobenzene	113	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-51	Diln Fac:	1.000
Lab ID:	186612-002	Batch#:	113159
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/08/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	400	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	8.2	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	121	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-50	Diln Fac:	0.9615
Lab ID:	186612-003	Batch#:	113159
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/08/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Ethanol	ND	960

Surrogate	%REC	Limits
Dibromofluoromethane	107	79-120
1,2-Dichloroethane-d4	122	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-49	Diln Fac:	0.9615
Lab ID:	186612-004	Batch#:	113159
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/08/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Ethanol	ND	960

Surrogate	%REC	Limits
Dibromofluoromethane	110	79-120
1,2-Dichloroethane-d4	119	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-53	Diln Fac:	0.8929
Lab ID:	186612-005	Batch#:	113159
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/08/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Ethanol	ND	890

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	126	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-54	Diln Fac:	0.9259
Lab ID:	186612-006	Batch#:	113159
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/08/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6
Ethanol	ND	930

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	124	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	104	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-55	Diln Fac:	0.9804
Lab ID:	186612-007	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Ethanol	ND	980

Surrogate	%REC	Limits
Dibromofluoromethane	88	79-120
1,2-Dichloroethane-d4	80	76-130
Toluene-d8	95	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-56	Diln Fac:	0.9259
Lab ID:	186612-008	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6
Ethanol	ND	930

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	82	76-130
Toluene-d8	95	80-120
Bromofluorobenzene	95	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-43	Diln Fac:	0.9091
Lab ID:	186612-009	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Ethanol	ND	910

Surrogate	%REC	Limits
Dibromofluoromethane	92	79-120
1,2-Dichloroethane-d4	90	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-42	Diln Fac:	1.000
Lab ID:	186612-010	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	106	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-41	Diln Fac:	0.9434
Lab ID:	186612-011	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Ethanol	ND	940

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	105	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-40	Diln Fac:	0.9615
Lab ID:	186612-012	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Ethanol	ND	960

Surrogate	%REC	Limits
Dibromofluoromethane	103	79-120
1,2-Dichloroethane-d4	107	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-126

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-39	Diln Fac:	0.9804
Lab ID:	186612-013	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Ethanol	ND	980

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-126

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC338915	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113159
Units:	ug/Kg	Analyzed:	05/08/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	116.1	93	52-152
MTBE	25.00	22.35	89	69-120
Isopropyl Ether (DIPE)	25.00	20.63	83	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	21.33	85	76-133
1,2-Dichloroethane	25.00	26.43	106	72-120
Benzene	25.00	26.22	105	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.67	87	74-120
Toluene	25.00	27.29	109	80-120
1,2-Dibromoethane	25.00	27.82	111	78-120
Ethylbenzene	25.00	28.31	113	80-120
m,p-Xylenes	50.00	56.09	112	80-120
o-Xylene	25.00	28.21	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	94	76-130
Toluene-d8	94	80-120
Bromofluorobenzene	97	80-126

Batch QC Report

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC338916	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113159
Units:	ug/Kg	Analyzed:	05/08/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	105	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.8929
MSS Lab ID:	186591-007	Batch#:	113159
Matrix:	Soil	Sampled:	05/03/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received	Analyzed:	05/08/06

Type: MS Lab ID: QC338942

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<13.04	111.6	83.04	74	41-149
MTBE	<0.3376	22.32	15.20	68	56-120
Isopropyl Ether (DIPE)	<0.3514	22.32	15.02	67	55-123
Ethyl tert-Butyl Ether (ETBE)	<0.3871	22.32	14.52	65	64-131
1,2-Dichloroethane	<0.2964	22.32	17.41	78	60-120
Benzene	<0.2240	22.32	20.04	90	67-120
Methyl tert-Amyl Ether (TAME)	<0.4471	22.32	15.42	69	62-120
Toluene	<0.2096	22.32	20.12	90	62-120
1,2-Dibromoethane	<0.3231	22.32	19.89	89	60-120
Ethylbenzene	<0.1939	22.32	21.02	94	60-120
m,p-Xylenes	<0.3802	44.64	44.43	100	58-120
o-Xylene	<0.2919	22.32	21.79	98	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	84	76-130
Toluene-d8	91	80-120
Bromofluorobenzene	95	80-126

Type: MSD Lab ID: QC338943

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	111.6	76.95	69	41-149	8	37
MTBE	22.32	15.31	69	56-120	1	23
Isopropyl Ether (DIPE)	22.32	14.82	66	55-123	1	23
Ethyl tert-Butyl Ether (ETBE)	22.32	14.02	63 *	64-131	4	22
1,2-Dichloroethane	22.32	17.42	78	60-120	0	20
Benzene	22.32	19.92	89	67-120	1	20
Methyl tert-Amyl Ether (TAME)	22.32	15.08	68	62-120	2	20
Toluene	22.32	20.66	93	62-120	3	20
1,2-Dibromoethane	22.32	18.90	85	60-120	5	20
Ethylbenzene	22.32	21.50	96	60-120	2	21
m,p-Xylenes	44.64	43.60	98	58-120	2	22
o-Xylene	22.32	21.21	95	58-120	3	22

Surrogate	%REC	Limits
Dibromofluoromethane	89	79-120
1,2-Dichloroethane-d4	82	76-130
Toluene-d8	92	80-120
Bromofluorobenzene	94	80-126

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC339743	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113367
Units:	ug/Kg	Analyzed:	05/12/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	122.7	98	52-152
MTBE	25.00	21.11	84	69-120
Isopropyl Ether (DIPE)	25.00	22.36	89	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	21.69	87	76-133
1,2-Dichloroethane	25.00	23.63	95	72-120
Benzene	25.00	25.78	103	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.02	92	74-120
Toluene	25.00	26.00	104	80-120
1,2-Dibromoethane	25.00	25.32	101	78-120
Ethylbenzene	25.00	29.28	117	80-120
m,p-Xylenes	50.00	59.15	118	80-120
o-Xylene	25.00	28.24	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	93	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-126

Batch QC Report

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC339744	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113367
Units:	ug/Kg	Analyzed:	05/12/06

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Ethanol	ND	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186612	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-56	Diln Fac:	0.9259
MSS Lab ID:	186612-008	Batch#:	113367
Matrix:	Soil	Sampled:	05/04/06
Units:	ug/Kg	Received:	05/04/06
Basis:	as received		

Type: MS Analyzed: 05/12/06
 Lab ID: QC339788

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<13.52	115.7	94.05	81	41-149
MTBE	<0.3501	23.15	17.91	77	56-120
Isopropyl Ether (DIPE)	<0.3645	23.15	19.11	83	55-123
Ethyl tert-Butyl Ether (ETBE)	<0.4014	23.15	19.02	82	64-131
1,2-Dichloroethane	<0.3074	23.15	21.81	94	60-120
Benzene	<0.2323	23.15	21.96	95	67-120
Methyl tert-Amyl Ether (TAME)	<0.4636	23.15	19.32	83	62-120
Toluene	<0.2174	23.15	22.08	95	62-120
1,2-Dibromoethane	<0.3350	23.15	21.60	93	60-120
Ethylbenzene	<0.2010	23.15	25.71	111	60-120
m,p-Xylenes	<0.3943	46.30	49.97	108	58-120
o-Xylene	<0.3027	23.15	24.45	106	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	93	80-120
Bromofluorobenzene	107	80-126

Type: MSD Analyzed: 05/13/06
 Lab ID: QC339789

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	115.7	84.15	73	41-149	11	37
MTBE	23.15	16.38	71	56-120	9	23
Isopropyl Ether (DIPE)	23.15	18.43	80	55-123	4	23
Ethyl tert-Butyl Ether (ETBE)	23.15	18.12	78	64-131	5	22
1,2-Dichloroethane	23.15	20.94	90	60-120	4	20
Benzene	23.15	21.39	92	67-120	3	20
Methyl tert-Amyl Ether (TAME)	23.15	18.70	81	62-120	3	20
Toluene	23.15	21.79	94	62-120	1	20
1,2-Dibromoethane	23.15	21.35	92	60-120	1	20
Ethylbenzene	23.15	22.97	99	60-120	11	21
m,p-Xylenes	46.30	46.81	101	58-120	7	22
o-Xylene	23.15	22.99	99	58-120	6	22

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-126

RPD= Relative Percent Difference

186612

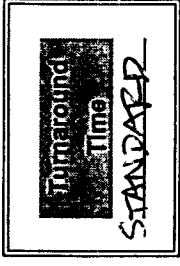
Treadwell & Rollo

Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Emerald Industrial Court
Job Number: 4062701
Project Manager/Contact: Glenn Wong
Samplers: EVK Merita
Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix			No. Containers & Preservative					Analysis Requested	Remarks				
				Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃	Ice	Other			Hold			
TR-52	5/4/06	15:00		X								X	Lead scavenger				
TR-51		15:05		X								X	Ethanol bag				
TR-50		15:10		X								X	Evil Oxidants				
TR-49		15:15		X								X	Vols				
TR-53		15:25		X								X	BTEX/MTHX 3200				
TR-54		15:30		X								X	TPH-dms				
TR-55		15:40		X								X	TPH-gas				
TR-56		15:45		X								X					
TR-43		16:00		X								X					
TR-42		16:10		X								X					
TR-41		16:15		X								X					
TR-40		16:30		X								X					
TR-39		16:35		X								X					
Relinquished by: (Signature) <u>[Signature]</u>				Date	5/4/06	Time	5:40 PM	Received by: (Signature)	<u>[Signature]</u>	Date	5-4-06	Time	5:40 PM				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)		Date		Time					
Relinquished by: (Signature)				Date		Time		Received by Lab: (Signature)		Date		Time					
Sent to Laboratory (Name): <u>Curtis & Tompkins</u>													Method of Shipment	<input type="checkbox"/> Lab courier	<input type="checkbox"/> Fed Ex	<input type="checkbox"/> Airborne	<input type="checkbox"/> UPS
Laboratory Comments/Notes:													<input checked="" type="checkbox"/> Hand Carried	Private Courier (Co. Name)			

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-13

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: **003553**

[Signature]

Steven Stanley

From: "Eric Morita" <etmorita@treadwellrollo.com>
To: "Steve Stanley" <steve@ctberk.com>
Sent: Friday, May 05, 2006 8:49 AM
Attach: Updated COC to C&T.pdf
Subject: RE: 4069.01 - Please add silica gel cleanup to the soil samples that I dropped off last night 5/4/06

Steve-

As we discussed, please add silica gel cleanup to all soil samples that were selected for TPHd and mo. I attached an updated C.O.C..

Thanks,

Eric Morita

From: Steve Stanley [mailto:steve@ctberk.com]
Sent: Thursday, May 04, 2006 4:09 PM
To: Glenn Leong
Cc: Eric Morita
Subject: 4069.01 - C&T Login Summary (186548)

COOLER RECEIPT CHECKLIST

Login#: 786612 Date Received: 5-4-06 Number of Coolers: 1
Client: John Wall & Rollo Project: 4069.01

- A. Preliminary Examination Phase
Date Opened: 5-4-06 By (print): Troy Windsor (sign) Troy Windsor
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
 2. Were custody seals on outside of cooler?..... YES NO
How many and where? _____ Seal date: _____ Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A
 4. Were custody papers dry and intact when received?..... YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
 6. Did you sign the custody papers in the appropriate place?..... YES NO
 7. Was project identifiable from custody papers?..... YES NO
If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: ice Temperature: cold - no temp blank

- B. Login Phase
Date Logged In: 5-5-06 By (print): Troy Windsor (sign) Troy Windsor
1. Describe type of packing in cooler: bottles in ziploc bags
 2. Did all bottles arrive unbroken?..... YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)?... YES NO
 4. Did bottle labels agree with custody papers?..... YES NO
 5. Were appropriate containers used for the tests indicated?..... YES NO
 6. Were correct preservatives added to samples?..... YES NO N/A
 7. Was sufficient amount of sample sent for tests indicated?..... YES NO
 8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO N/A
 9. Was the client contacted concerning this sample delivery?..... YES NO
If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Glenn Leong
Treadwell & Rollo
501 14th Street, 3rd Floor
Oakland, CA 94612

February 20, 2007

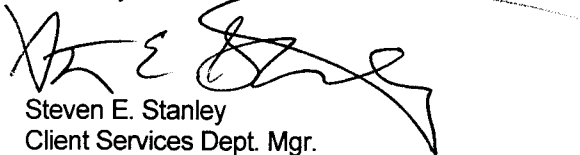
Mr. Leong,

The detections of methylene chloride in the soil samples for your project Emeryville Industrial Ct (CT# 186612), are likely the result of laboratory contamination. Because this solvent is used to extract for other analytes, a shared container is likely to have exposure to this solvent.

During the period your samples were being analyzed, we observed sporadic methylene chloride contamination in the refrigerated sample storage area. The source of this contamination has since been detected and removed. Additionally, C&T is in process of upgrading the air circulation system within this storage area to further reduce and eliminate potential contamination of samples by volatile solvents.

Should you have any further questions, please feel free to contact me at your leisure.

Sincerely,



Steven E. Stanley
Client Services Dept. Mgr.

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC339513	Batch#:	113310
Matrix:	Water	Analyzed:	05/11/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,785	89	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	69-137
Bromofluorobenzene (FID)	107	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	DW-11	Batch#:	113310
MSS Lab ID:	186708-001	Sampled:	05/10/06
Matrix:	Water	Received:	05/10/06
Units:	ug/L	Analyzed:	05/11/06
Diln Fac:	1.000		

Type: MS Lab ID: QC339616

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	17.23	2,000	1,785	88	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	69-137
Bromofluorobenzene (FID)	104	80-133

Type: MSD Lab ID: QC339617

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,792	89	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	69-137
Bromofluorobenzene (FID)	111	80-133

RPD= Relative Percent Difference

Total Volatile Hydrocarbons

Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-44	Batch#:	113240
Matrix:	Soil	Sampled:	05/10/06
Units:	mg/Kg	Received:	05/10/06
Basis:	as received	Analyzed:	05/10/06
Diln Fac:	1.000		

Type: SAMPLE Lab ID: 186708-004

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	62-137
Bromofluorobenzene (FID)	112	60-148

Type: BLANK Lab ID: QC339214

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	62-137
Bromofluorobenzene (FID)	99	60-148

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC339216	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113240
Units:	mg/Kg	Analyzed:	05/10/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	8.888	89	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	62-137
Bromofluorobenzene (FID)	108	60-148

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-44	Diln Fac:	1.000
MSS Lab ID:	186708-004	Batch#:	113240
Matrix:	Soil	Sampled:	05/10/06
Units:	mg/Kg	Received:	05/10/06
Basis:	as received	Analyzed:	05/10/06

Type: MS Lab ID: QC339391

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1338	10.42	8.845	85	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	62-137
Bromofluorobenzene (FID)	103	60-148

Type: MSD Lab ID: QC339392

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.709	8.258	85	38-120	0	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	62-137
Bromofluorobenzene (FID)	104	60-148

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/10/06
Units:	ug/L	Received:	05/10/06
Diln Fac:	1.000	Prepared:	05/11/06
Batch#:	113336	Analyzed:	05/15/06

Field ID: DW-11 Lab ID: 186708-001
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	65-130

Field ID: DW-14 Lab ID: 186708-002
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	250 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	65-130

Field ID: DW-24 Lab ID: 186708-003
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	99	65-130

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC339613

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	113336
Units:	ug/L	Prepared:	05/11/06
Diln Fac:	1.000	Analyzed:	05/15/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC339614

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,483	99	61-133

Surrogate	%REC	Limits
Hexacosane	102	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC339615

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,484	99	61-133	0	31

Surrogate	%REC	Limits
Hexacosane	102	65-130

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	05/10/06
Basis:	as received	Received:	05/10/06

Field ID: TR-45	Prepared: 05/11/06
Type: SAMPLE	Analyzed: 05/12/06
Lab ID: 186708-005	Cleanup Method: EPA 3630C
Batch#: 113307	

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	48-130

Field ID: TR-46A	Prepared: 05/14/06
Type: SAMPLE	Analyzed: 05/15/06
Lab ID: 186708-006	Cleanup Method: EPA 3630C
Batch#: 113406	

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	101	48-130

Type: BLANK	Prepared: 05/11/06
Lab ID: QC339498	Analyzed: 05/11/06
Batch#: 113307	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	88	48-130

Type: BLANK	Prepared: 05/14/06
Lab ID: QC339896	Analyzed: 05/15/06
Batch#: 113406	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	97	48-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC339499	Batch#:	113307
Matrix:	Soil	Prepared:	05/11/06
Units:	mg/Kg	Analyzed:	05/11/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.96	50.07	100	59-133

Surrogate	%REC	Limits
Hexacosane	101	48-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	113307
MSS Lab ID:	186703-009	Sampled:	05/05/06
Matrix:	Soil	Received:	05/10/06
Units:	mg/Kg	Prepared:	05/11/06
Basis:	as received	Analyzed:	05/11/06
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC339500

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	53.72	49.71	173.8	242 *	37-153

Surrogate	%REC	Limits
Hexacosane	109	48-130

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC339501

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.29	76.00	44	37-153	79 *	43

Surrogate	%REC	Limits
Hexacosane	95	48-130

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC339897	Batch#:	113406
Matrix:	Soil	Prepared:	05/14/06
Units:	mg/Kg	Analyzed:	05/15/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.89	45.17	91	59-133

Surrogate	%REC	Limits
Hexacosane	97	48-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-48	Batch#:	113406
MSS Lab ID:	186783-003	Sampled:	05/12/06
Matrix:	Soil	Received:	05/12/06
Units:	mg/Kg	Prepared:	05/14/06
Basis:	as received	Analyzed:	05/14/06
Diln Fac:	1.000		

Type: MS Lab ID: QC339898

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	9.752	49.62	38.48	58	37-153

Surrogate	%REC	Limits
Hexacosane	82	48-130

Type: MSD Lab ID: QC339899

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.95	48.06	77	37-153	22	43

Surrogate	%REC	Limits
Hexacosane	103	48-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	113527
Lab ID:	186708-001	Sampled:	05/10/06
Matrix:	Water	Received:	05/10/06
Units:	ug/L	Analyzed:	05/17/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	0.9	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	116	80-120
1,2-Dichloroethane-d4	118	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	113575
Lab ID:	186708-002	Sampled:	05/10/06
Matrix:	Water	Received:	05/10/06
Units:	ug/L	Analyzed:	05/18/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	83	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	15	5.0
Benzene	11	0.5
Toluene	2.4	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	8.6	0.5
m,p-Xylenes	4.9	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	113527
Units:	ug/L	Analyzed:	05/17/06
Diln Fac:	1.000		

Type: BS Lab ID: QC340397

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	136.7	109	64-141
MTBE	25.00	24.14	97	72-120
Isopropyl Ether (DIPE)	25.00	23.66	95	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	23.83	95	77-129
Methyl tert-Amyl Ether (TAME)	25.00	22.25	89	77-120
Benzene	25.00	27.16	109	80-120
Toluene	25.00	26.33	105	80-120
Ethylbenzene	25.00	28.78	115	80-120
m,p-Xylenes	50.00	56.98	114	80-121
o-Xylene	25.00	27.89	112	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	117	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC340398

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	127.0	102	64-141	7	22
MTBE	25.00	24.16	97	72-120	0	20
Isopropyl Ether (DIPE)	25.00	23.42	94	68-123	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.06	92	77-129	3	20
Methyl tert-Amyl Ether (TAME)	25.00	21.68	87	77-120	3	20
Benzene	25.00	27.30	109	80-120	1	20
Toluene	25.00	26.57	106	80-120	1	20
Ethylbenzene	25.00	28.94	116	80-120	1	20
m,p-Xylenes	50.00	56.50	113	80-121	1	20
o-Xylene	25.00	28.33	113	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	114	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC340399	Batch#:	113527
Matrix:	Water	Analyzed:	05/17/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	116	80-120
1,2-Dichloroethane-d4	115	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	113575
Units:	ug/L	Analyzed:	05/18/06
Diln Fac:	1.000		

Type: BS Lab ID: QC340576

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	114.0	91	64-141
MTBE	25.00	19.94	80	72-120
Isopropyl Ether (DIPE)	25.00	21.71	87	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	21.29	85	77-129
Methyl tert-Amyl Ether (TAME)	25.00	21.64	87	77-120
Benzene	25.00	26.95	108	80-120
Toluene	25.00	25.30	101	80-120
Ethylbenzene	25.00	27.57	110	80-120
m,p-Xylenes	50.00	55.50	111	80-121
o-Xylene	25.00	27.20	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC340577

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	113.5	91	64-141	0	22
MTBE	25.00	19.77	79	72-120	1	20
Isopropyl Ether (DIPE)	25.00	22.26	89	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	21.29	85	77-129	0	20
Methyl tert-Amyl Ether (TAME)	25.00	22.02	88	77-120	2	20
Benzene	25.00	26.76	107	80-120	1	20
Toluene	25.00	24.88	100	80-120	2	20
Ethylbenzene	25.00	27.33	109	80-120	1	20
m,p-Xylenes	50.00	55.22	110	80-121	1	20
o-Xylene	25.00	26.79	107	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC340578	Batch#:	113575
Matrix:	Water	Analyzed:	05/18/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-44	Diln Fac:	0.9434
Lab ID:	186708-004	Batch#:	113484
Matrix:	Soil	Sampled:	05/10/06
Units:	ug/Kg	Received:	05/10/06
Basis:	as received	Analyzed:	05/16/06

Analyte	Result	RL
Freon 12	ND	9.4
tert-Butyl Alcohol (TBA)	ND	94
Chloromethane	ND	9.4
Isopropyl Ether (DIPE)	ND	4.7
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Chloroethane	ND	9.4
Methyl tert-Amyl Ether (TAME)	ND	4.7
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	94	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Ethanol	ND	940
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-44	Diln Fac:	0.9434
Lab ID:	186708-004	Batch#:	113484
Matrix:	Soil	Sampled:	05/10/06
Units:	ug/Kg	Received:	05/10/06
Basis:	as received	Analyzed:	05/16/06

Analyte	Result	RL
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	106	76-130
Toluene-d8	95	80-120
Bromofluorobenzene	110	80-126

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC340215	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113484
Units:	ug/Kg	Analyzed:	05/16/06

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	117.4	94	52-152
Isopropyl Ether (DIPE)	25.00	22.59	90	65-128
Ethyl tert-Butyl Ether (ETBE)	25.00	21.33	85	76-133
Methyl tert-Amyl Ether (TAME)	25.00	23.04	92	74-120
1,1-Dichloroethene	25.00	28.85	115	79-132
Benzene	25.00	27.15	109	80-120
Trichloroethene	25.00	28.57	114	80-121
Toluene	25.00	27.97	112	80-120
Chlorobenzene	25.00	28.53	114	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	96	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	103	80-126

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC340216	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113484
Units:	ug/Kg	Analyzed:	05/16/06

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Ethanol	ND	1,000
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0

 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC340216	Diln Fac:	1.000
Matrix:	Soil	Batch#:	113484
Units:	ug/Kg	Analyzed:	05/16/06

Analyte	Result	RL
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	103	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	186708	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-44	Diln Fac:	0.9434
MSS Lab ID:	186708-004	Batch#:	113484
Matrix:	Soil	Sampled:	05/10/06
Units:	ug/Kg	Received:	05/10/06
Basis:	as received	Analyzed:	05/16/06

Type: MS Lab ID: QC340299

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<13.77	117.9	87.20	74	41-149
Isopropyl Ether (DIPE)	<0.3713	23.58	17.14	73	55-123
Ethyl tert-Butyl Ether (ETBE)	<0.4090	23.58	16.31	69	64-131
Methyl tert-Amyl Ether (TAME)	<0.4724	23.58	18.26	77	62-120
1,1-Dichloroethene	<0.8687	23.58	23.28	99	72-135
Benzene	<0.2367	23.58	22.24	94	67-120
Trichloroethene	<0.2567	23.58	22.83	97	65-131
Toluene	<0.2215	23.58	22.45	95	62-120
Chlorobenzene	<0.3688	23.58	22.91	97	59-120

Surrogate	%REC	Limits
Dibromofluoromethane	86	79-120
1,2-Dichloroethane-d4	75 *	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-126

Type: MSD Lab ID: QC340300

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	117.9	87.42	74	41-149	0	37
Isopropyl Ether (DIPE)	23.58	17.64	75	55-123	3	23
Ethyl tert-Butyl Ether (ETBE)	23.58	16.95	72	64-131	4	22
Methyl tert-Amyl Ether (TAME)	23.58	18.01	76	62-120	1	20
1,1-Dichloroethene	23.58	24.45	104	72-135	5	22
Benzene	23.58	22.39	95	67-120	1	20
Trichloroethene	23.58	22.47	95	65-131	2	20
Toluene	23.58	22.28	94	62-120	1	20
Chlorobenzene	23.58	23.73	101	59-120	4	21

Surrogate	%REC	Limits
Dibromofluoromethane	90	79-120
1,2-Dichloroethane-d4	74 *	76-130
Toluene-d8	92	80-120
Bromofluorobenzene	99	80-126

*= Value outside of QC limits; see narrative

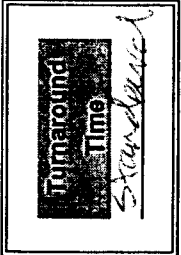
RPD= Relative Percent Difference

180728

CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Montgomery Street
 Job Number: 180728
 Project Manager/Contact: [Signature]
 Samplers: [Signature]
 Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Matrix				Analysis Requested										Remarks		
			Soil	Water	Other	HCL	Other	HNO ₃	Ice	Other	Lead	Cadmium	Chromium	Mercury	PCB	VOCs		Silica gel clean-up	Hold
DW-11	7/6/06	11:10	X	X								X	X	X	X	X	X		
DW-14		11:00	X	X								X	X	X	X	X	X		
DW-24		10:45	X	X								X	X	X	X	X	X		
TR-47		11:45										X	X	X	X	X	X		
TR-45		12:00	X	X								X	X	X	X	X	X		
TR-46A		12:10	X	X								X	X	X	X	X	X		

-1-
-2-
-3-
-4-
-5-
-6-

Relinquished by (Signature): [Signature] Date: 5/10/06 Time: 1:05 pm
 Relinquished by (Signature): [Signature] Date: 5/10/06 Time: 1:05 pm
 Received by (Signature): [Signature] Date: 5/10/06 Time: 1:05 pm
 Received by (Signature): [Signature] Date: 5/10/06 Time: 1:05 pm

Sent to Laboratory (Name): [Signature] Date: _____
 Laboratory Comments/Notes: [Signature]

Method of Shipment: Hand Carried Private Courier Fed Ex Airborne UPS

Field intact, on ice [Signature]

Steven Stanley

From: "Glenn Leong" <gmleong@treadwellrollo.com>
To: "Steve Stanley" <steve@ctberk.com>
Cc: "Eric Morita" <etmorita@treadwellrollo.com>
Sent: Thursday, May 11, 2006 1:01 PM
Subject: RE: 4069.01 - C&T Login Summary (186708)

Steve,

For 186708, please analyze the TR-46A soil sample (previously placed on hold) for TPHd/mo with silica gel cleanup under standard TAT, similar to the TR-45 soil sample.

Glenn M. Leong

Treadwell & Rollo, Inc.
501 14th Street, 3rd Floor
Oakland, CA 94612
Tel: (510) 874-4500 Ext. 554
Fax: (510) 874-4507
Cell: (510) 579-1428
email: <mailto:gmleong@treadwellrollo.com>
Web Site: www.treadwellrollo.com

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From: Steve Stanley [<mailto:steve@ctberk.com>]
Sent: Thursday, May 11, 2006 12:48 PM
To: Glenn Leong
Cc: Eric Morita
Subject: 4069.01 - C&T Login Summary (186708)

C&T Login Summary for 186708

Project:



COOLER RECEIPT CHECKLIST

Login#: 186708 Date Received: 5/10/06 Number of Coolers: 1
Client: Treadwell Project: Emergyville Industrial Ct.

A. Preliminary Examination Phase

Date Opened: 5/10/06 By (print): Pat F. (sign) Pat F.

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO

If YES, enter carrier name and airbill number: _____

2. Were custody seals on outside of cooler?..... YES NO

How many and where? _____ Seal date: _____ Seal name: _____

3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A

4. Were custody papers dry and intact when received?..... YES NO

5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO

6. Did you sign the custody papers in the appropriate place?..... YES NO

7. Was project identifiable from custody papers?..... YES NO

If YES, enter project name at the top of this form.

8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO

Type of ice: wet Temperature: on ice - no temp

B. Login Phase

Date Logged In: 5/10/06 By (print): Pat F. (sign) Pat F.

1. Describe type of packing in cooler: Zip Loc bags

2. Did all bottles arrive unbroken?..... YES NO

3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO

4. Did bottle labels agree with custody papers?..... YES NO

5. Were appropriate containers used for the tests indicated?..... YES NO

6. Were correct preservatives added to samples?..... YES NO

7. Was sufficient amount of sample sent for tests indicated?..... YES NO

8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO

9. Was the client contacted concerning this sample delivery?..... YES NO

If YES, give details below.

Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Glenn Leong
Treadwell & Rollo
501 14th Street, 3rd Floor
Oakland, CA 94612

February 20, 2007


Mr. Leong,

The detections of methylene chloride in the soil samples for your project Emeryville Industrial Ct (CT# 186708), are likely the result of laboratory contamination. Because this solvent is used to extract for other analytes, a shared container is likely to have exposure to this solvent.

During the period your samples were being analyzed, we observed sporadic methylene chloride contamination in the refrigerated sample storage area. The source of this contamination has since been detected and removed. Additionally, C&T is in process of upgrading the air circulation system within this storage area to further reduce and eliminate potential contamination of samples by volatile solvents.

Should you have any further questions, please feel free to contact me at your leisure.

Sincerely,



Steven E. Stanley
Client Services Dept. Mgr.

Total Extractable Hydrocarbons			
Lab #:	186783	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	05/12/06
Units:	mg/Kg	Received:	05/12/06
Basis:	as received	Prepared:	05/14/06
Diln Fac:	1.000	Analyzed:	05/15/06
Batch#:	113406		

Field ID: TR-46 Lab ID: 186783-001
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	74	48-130

Field ID: TR-47 Lab ID: 186783-002
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	101	48-130

Field ID: TR-48 Lab ID: 186783-003
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	7.9 H Y	0.99
Motor Oil C24-C36	33 L	5.0

Surrogate	%REC	Limits
Hexacosane	70	48-130

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC339896

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	97	48-130

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186783	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-48	Batch#:	113406
MSS Lab ID:	186783-003	Sampled:	05/12/06
Matrix:	Soil	Received:	05/12/06
Units:	mg/Kg	Prepared:	05/14/06
Basis:	as received	Analyzed:	05/14/06
Diln Fac:	1.000		

Type: MS Lab ID: QC339898

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	9.752	49.62	38.48	58	37-153

Surrogate	%REC	Limits
Hexacosane	82	48-130

Type: MSD Lab ID: QC339899

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.95	48.06	77	37-153	22	43

Surrogate	%REC	Limits
Hexacosane	103	48-130

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	186783	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC339897	Batch#:	113406
Matrix:	Soil	Prepared:	05/14/06
Units:	mg/Kg	Analyzed:	05/15/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.89	45.17	91	59-133

Surrogate	%REC	Limits
Hexacosane	97	48-130

186752

Treadwell & Rollo

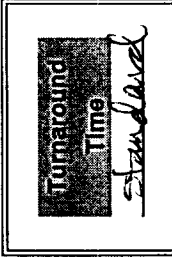
Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

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501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Emerald Lake Industrial Ct
Job Number: H009.01
Project Manager/Contact: Glenn Leong
Samplers: Eric Morita
Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	No. Containers & Preservative			Remarks
				Matrix	Water	Other	
TR-46	5/12/06	14:25		X			Hold Gilia gel clean-up
TR-47		8:55		X			
TR-48		9:05		X			

Analysis Requested		Date	Time
Received by (Signature)	<u>[Signature]</u>	5-12-06	4:06pm
Received by (Signature)		Date	Time
Received by Lab: (Signature)		Date	Time

Relinquished by: (Signature)
Relinquished by: (Signature)
Relinquished by: (Signature)

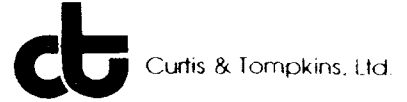
Sent to Laboratory (Name): Curtis & Tompkins
Laboratory Comments/Notes:

Method of Shipment Lab courier Fed Ex Airborne UPS
 Hand Carried Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: **002470**

REC'D ON ICE SL

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 1 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd



COOLER RECEIPT CHECKLIST

Login#: 186783 Date Received: 5-12-06 Number of Coolers: _____
Client: Treadwell & Roll Project: 4269.21

A. Preliminary Examination Phase

Date Opened: 5-12-06 By (print): Troy Windsor (sign) Troy Windsor

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler?..... YES NO
How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO ✓
4. Were custody papers dry and intact when received?..... YES NO
5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
6. Did you sign the custody papers in the appropriate place?..... YES NO
7. Was project identifiable from custody papers?..... YES NO
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: wet Temperature: cold - no temp pack

B. Login Phase

Date Logged In: 5-12-06 By (print): Troy Windsor (sign) Troy Windsor

1. Describe type of packing in cooler: In ziploc bag
2. Did all bottles arrive unbroken?..... YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
4. Did bottle labels agree with custody papers?..... YES NO
5. Were appropriate containers used for the tests indicated?..... YES NO
6. Were correct preservatives added to samples?..... YES NO ✓
7. Was sufficient amount of sample sent for tests indicated?..... YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO ✓
9. Was the client contacted concerning this sample delivery?..... YES NO
If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons

Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	113996
Units:	ug/L	Sampled:	06/01/06
Diln Fac:	1.000	Received:	06/01/06

Field ID:	DW-11	Lab ID:	187169-001
Type:	SAMPLE	Analyzed:	06/02/06

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	83	69-137
Bromofluorobenzene (FID)	94	80-133

Field ID:	DW-14	Lab ID:	187169-002
Type:	SAMPLE	Analyzed:	06/02/06

Analyte	Result	RL
Gasoline C7-C12	1,800	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	130	80-133

Type:	BLANK	Analyzed:	06/01/06
Lab ID:	QC342242		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	84	69-137
Bromofluorobenzene (FID)	88	80-133

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC342244	Batch#:	113996
Matrix:	Water	Analyzed:	06/01/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,038	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	69-137
Bromofluorobenzene (FID)	101	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	113996
MSS Lab ID:	187162-001	Sampled:	05/30/06
Matrix:	Water	Received:	06/01/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Type: MS Lab ID: QC342297

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	312.3	2,000	2,328	101	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	69-137
Bromofluorobenzene (FID)	97	80-133

Type: MSD Lab ID: QC342298

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,342	102	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	69-137
Bromofluorobenzene (FID)	97	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/01/06
Units:	ug/L	Received:	06/01/06
Diln Fac:	1.000		

Field ID: DW-11	Prepared: 06/05/06
Type: SAMPLE	Analyzed: 06/07/06
Lab ID: 187169-001	Cleanup Method: EPA 3630C
Batch#: 114123	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	104	65-130

Field ID: DW-14	Prepared: 06/06/06
Type: SAMPLE	Analyzed: 06/09/06
Lab ID: 187169-002	Cleanup Method: EPA 3630C
Batch#: 114175	

Analyte	Result	RL
Diesel C10-C24	360 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	100	65-130

Field ID: DW-24	Prepared: 06/06/06
Type: SAMPLE	Analyzed: 06/09/06
Lab ID: 187169-003	Cleanup Method: EPA 3630C
Batch#: 114175	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	107	65-130

Type: BLANK	Prepared: 06/05/06
Lab ID: QC342781	Analyzed: 06/07/06
Batch#: 114123	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	95	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 q= Draft result - ending instrument QC not yet analyzed
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons

Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/01/06
Units:	ug/L	Received:	06/01/06
Diln Fac:	1.000		

Type:	BLANK	Prepared:	06/06/06
Lab ID:	QC342995	Analyzed:	06/09/06
Batch#:	114175	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND q	50
Motor Oil C24-C36	ND q	300

Surrogate	%REC	Limits
Hexacosane	93 q	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 q= Draft result - ending instrument QC not yet analyzed
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	114123
Units:	ug/L	Prepared:	06/05/06
Diln Fac:	1.000	Analyzed:	06/07/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC342782

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,105	84	61-133

Surrogate	%REC	Limits
Hexacosane	92	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC342783

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,585	103	61-133	20	31

Surrogate	%REC	Limits
Hexacosane	115	65-130

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	114175
Units:	ug/L	Prepared:	06/06/06
Diln Fac:	1.000	Analyzed:	06/09/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC342996

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,521	101	61-133

Surrogate	%REC	Limits
Hexacosane	104	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC342997

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,898	116	61-133	14	31

Surrogate	%REC	Limits
Hexacosane	119	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	114112
Lab ID:	187169-001	Sampled:	06/01/06
Matrix:	Water	Received:	06/01/06
Units:	ug/L	Analyzed:	06/05/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	114112
Lab ID:	187169-002	Sampled:	06/01/06
Matrix:	Water	Received:	06/01/06
Units:	ug/L	Analyzed:	06/05/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	58	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	16	5.0
Benzene	55	0.5
Toluene	1.2	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	41	0.5
m,p-Xylenes	28	0.5
o-Xylene	0.5	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	95	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	114112
Units:	ug/L	Analyzed:	06/05/06
Diln Fac:	1.000		

Type: BS Lab ID: QC342726

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	137.1	110	64-141
MTBE	25.00	22.96	92	72-120
Isopropyl Ether (DIPE)	25.00	23.99	96	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.64	99	77-129
Methyl tert-Amyl Ether (TAME)	25.00	25.67	103	77-120
Benzene	25.00	23.91	96	80-120
Toluene	25.00	23.81	95	80-120
Ethylbenzene	25.00	23.78	95	80-120
m,p-Xylenes	50.00	49.29	99	80-121
o-Xylene	25.00	25.55	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	96	80-122

Type: BSD Lab ID: QC342727

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	144.9	116	64-141	5	22
MTBE	25.00	25.04	100	72-120	9	20
Isopropyl Ether (DIPE)	25.00	25.82	103	68-123	7	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.89	108	77-129	9	20
Methyl tert-Amyl Ether (TAME)	25.00	26.95	108	77-120	5	20
Benzene	25.00	25.47	102	80-120	6	20
Toluene	25.00	25.13	101	80-120	5	20
Ethylbenzene	25.00	26.00	104	80-120	9	20
m,p-Xylenes	50.00	53.66	107	80-121	8	20
o-Xylene	25.00	27.03	108	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	95	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC342728	Batch#:	114112
Matrix:	Water	Analyzed:	06/05/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187169	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC342729	Batch#:	114112
Matrix:	Water	Analyzed:	06/05/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected

RL= Reporting Limit

1016

Treadwell & Rollo
Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

Page 1 of 1

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

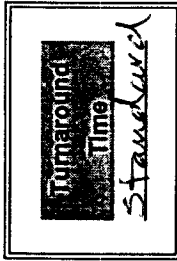
Site Name: Emeryville Industrial Court

Job Number: 1016-01

Project Manager/Contact: ARINA KONG

Samplers: EVIL MATITA

Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix			No. Containers & Preservative						Remarks	
				Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃	Ice	Other	Hold		
DW-11	6/1/06	11:00		X	X	X	6							
DW-14	6/1/06	11:15		X	X	X	6							
DW-24	6/1/06	11:30		X	X	X								

Analysis Requested		Date	Time
<input checked="" type="checkbox"/> TPH-das	<input checked="" type="checkbox"/> TPH-B,NO	<input checked="" type="checkbox"/> BTEX/MRE-8/16	<input checked="" type="checkbox"/> Lead Scanning
<input checked="" type="checkbox"/> Full Organics	<input checked="" type="checkbox"/> Emmer 8/16	<input checked="" type="checkbox"/> Silica gel clean-up	<input checked="" type="checkbox"/> Hold

Relinquished by: (Signature) [Signature] Date: 6/1/06 Time: 12:10

Relinquished by: (Signature) [Signature] Date: 6/1/06 Time: 12:10

Relinquished by: (Signature) [Signature] Date: 6/1/06 Time: 12:50

Sent to Laboratory (Name): Curtis & Timpkins Laboratory

Laboratory Comments/Notes:

Method of Shipment: Lab courier Fed Ex Airborne UPS

Hand Carried Private Courier (Co. Name)

COOLER RECEIPT CHECKLIST

Login#: 181169 Date Received: 6/1/06 Number of Coolers: 1
Client: Treatwell & Rollis Project: Emergency Industrial Court

A. Preliminary Examination Phase

- Date Opened: 6/1/06 By (print): Patrick P. (sign) [Signature]
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
 - If YES, enter carrier name and airbill number: _____
 2. Were custody seals on outside of cooler?..... YES NO
 - How many and where? _____ Seal date: _____ Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A
 4. Were custody papers dry and intact when received?..... YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
 6. Did you sign the custody papers in the appropriate place?..... YES NO
 7. Was project identifiable from custody papers?..... YES NO
 - If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
 - Type of ice: wet Temperature: On ice no temp break

B. Login Phase

- Date Logged In: 6/1/06 By (print): Patrick P. (sign) [Signature]
1. Describe type of packing in cooler: Ziplock bags
 2. Did all bottles arrive unbroken?..... YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
 4. Did bottle labels agree with custody papers?..... YES NO
 5. Were appropriate containers used for the tests indicated?..... YES NO
 6. Were correct preservatives added to samples?..... YES NO
 7. Was sufficient amount of sample sent for tests indicated?..... YES NO
 8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
 9. Was the client contacted concerning this sample delivery?..... YES NO
 - If YES, give details below.
 - Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC343217	Batch#:	114234
Matrix:	Water	Analyzed:	06/08/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,117	106	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-137
Bromofluorobenzene (FID)	105	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114234
MSS Lab ID:	187317-004	Sampled:	06/06/06
Matrix:	Water	Received:	06/08/06
Units:	ug/L	Analyzed:	06/09/06
Diln Fac:	1.000		

Type: MS Lab ID: QC343333

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	18.43	2,000	2,132	106	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	69-137
Bromofluorobenzene (FID)	114	80-133

Type: MSD Lab ID: QC343334

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,092	104	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	69-137
Bromofluorobenzene (FID)	113	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/08/06
Units:	ug/L	Received:	06/08/06
Diln Fac:	1.000	Prepared:	06/13/06
Batch#:	114375		

Field ID: DW-11	Analyzed: 06/17/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187339-001	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	87	65-130

Field ID: DW-14	Analyzed: 06/17/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187339-002	

Analyte	Result	RL
Diesel C10-C24	130 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	89	65-130

Field ID: DW-24	Analyzed: 06/17/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187339-003	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	84	65-130

Type: BLANK	Analyzed: 06/16/06
Lab ID: QC343818	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	86	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	114375
Units:	ug/L	Prepared:	06/13/06
Diln Fac:	1.000	Analyzed:	06/15/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC343819

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,071	83	61-133

Surrogate	%REC	Limits
Hexacosane	74	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC343820

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,027	81	61-133	2	31

Surrogate	%REC	Limits
Hexacosane	73	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	114308
Lab ID:	187339-001	Sampled:	06/08/06
Matrix:	Water	Received:	06/08/06
Units:	ug/L	Analyzed:	06/12/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	114308
Lab ID:	187339-002	Sampled:	06/08/06
Matrix:	Water	Received:	06/08/06
Units:	ug/L	Analyzed:	06/12/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	40	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	16	5.0
Benzene	37	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	6.0	0.5
m,p-Xylenes	4.7	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	111	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	114308
Units:	ug/L	Analyzed:	06/12/06
Diln Fac:	1.000		

Type: BS Lab ID: QC343526

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	138.1	111	64-141
MTBE	25.00	23.74	95	72-120
Isopropyl Ether (DIPE)	25.00	27.52	110	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.90	100	77-129
Methyl tert-Amyl Ether (TAME)	25.00	25.05	100	77-120
Benzene	25.00	23.73	95	80-120
Toluene	25.00	23.19	93	80-120
Ethylbenzene	25.00	24.01	96	80-120
m,p-Xylenes	50.00	46.52	93	80-121
o-Xylene	25.00	24.36	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-122

Type: BSD Lab ID: QC343527

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	130.7	105	64-141	6	22
MTBE	25.00	22.38	90	72-120	6	20
Isopropyl Ether (DIPE)	25.00	25.58	102	68-123	7	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.37	93	77-129	6	20
Methyl tert-Amyl Ether (TAME)	25.00	24.23	97	77-120	3	20
Benzene	25.00	21.93	88	80-120	8	20
Toluene	25.00	21.67	87	80-120	7	20
Ethylbenzene	25.00	22.52	90	80-120	6	20
m,p-Xylenes	50.00	42.75	85	80-121	8	20
o-Xylene	25.00	22.67	91	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	187339	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC343529	Batch#:	114308
Matrix:	Water	Analyzed:	06/12/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected

RL= Reporting Limit

187339


Treadwell & Rollo
Environmental and Geotechnical Consultant

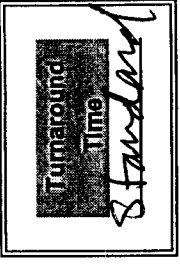
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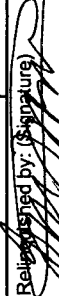
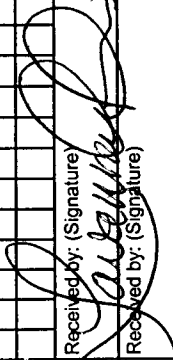
555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041

2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985

501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Environmental Industrial Ct
Job Number: 1004.01
Project Manager/Contact: Kevin Long
Samplers: Dan Morita
Recorder (Signature Required): 



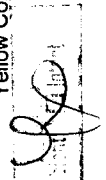
Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix			No. Containers & Preservative				Remarks	
				Soil	Water	Other	HCl	H ₂ SO ₄	HNO ₃	Ice		Other
DW-11	6/18/06	16:09		X			1					
DW-14	6/18/06	16:30		X			1					
DW-24	6/18/06	17:00		X			1					
Relinquished by: (Signature) 		Date: <u>6/18/06</u>		Time: <u>17:27</u>		Received by: (Signature) 			Date: <u>6/18/06</u>		Time: <u>5:27pm</u>	
Relinquished by: (Signature) _____		Date: _____		Time: _____		Received by: (Signature) _____			Date: _____		Time: _____	
Relinquished by: (Signature) _____		Date: _____		Time: _____		Received by Lab: (Signature) _____			Date: _____		Time: _____	
Sent to Laboratory (Name): <u>CURTIS & TOMPKINS</u>												
Laboratory Comments/Notes: _____												

COC Number: 002186

Pink Copy - Field

Yellow Copy - Laboratory

White Copy - Original



COOLER RECEIPT CHECKLIST

Login#: 187339 Date Received: 6/8/00 Number of Coolers: 1
Client: Treadwell + Lello Project: Emeryville Industrial Ctr.

- A. Preliminary Examination Phase
Date Opened: 6/8/00 By (print): RHP (sign) RHP
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
 - If YES, enter carrier name and airbill number: _____
 2. Were custody seals on outside of cooler?..... YES NO
 - How many and where? _____ Seal date: _____ Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO MA
 4. Were custody papers dry and intact when received?..... YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
 6. Did you sign the custody papers in the appropriate place?..... YES NO
 7. Was project identifiable from custody papers?..... YES NO
 - If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
 - Type of ice: WET Temperature: on ice - no temp

- B. Login Phase
Date Logged In: 6/8/00 By (print): RHP (sign) RHP
1. Describe type of packing in cooler: plastic bags + towels
 2. Did all bottles arrive unbroken?..... YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
 4. Did bottle labels agree with custody papers?..... YES NO
 5. Were appropriate containers used for the tests indicated?..... YES NO
 6. Were correct preservatives added to samples?..... YES NO
 7. Was sufficient amount of sample sent for tests indicated?..... YES NO
 8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
 9. Was the client contacted concerning this sample delivery?..... YES NO
 - If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons

Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/22/06
Units:	ug/L	Received:	06/22/06
Diln Fac:	1.000	Analyzed:	06/22/06
Batch#:	114633		

Field ID: DW-11 Lab ID: 187593-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	69-137
Bromofluorobenzene (FID)	98	80-133

Field ID: DW-14 Lab ID: 187593-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	1,200	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	69-137
Bromofluorobenzene (FID)	130	80-133

Type: BLANK Lab ID: QC344854

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	69-137
Bromofluorobenzene (FID)	93	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344856	Batch#:	114633
Matrix:	Water	Analyzed:	06/22/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,046	105	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	69-137
Bromofluorobenzene (FID)	114	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114633
MSS Lab ID:	187582-004	Sampled:	06/21/06
Matrix:	Water	Received:	06/21/06
Units:	ug/L	Analyzed:	06/22/06
Diln Fac:	1.000		

Type: MS Lab ID: QC344975

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	24.62	2,000	1,911	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	69-137
Bromofluorobenzene (FID)	112	80-133

Type: MSD Lab ID: QC344976

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,981	98	80-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	69-137
Bromofluorobenzene (FID)	110	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/22/06
Units:	ug/L	Received:	06/22/06
Diln Fac:	1.000	Prepared:	06/23/06
Batch#:	114670	Analyzed:	06/26/06

Field ID: DW-11 Lab ID: 187593-001
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	95	65-130

Field ID: DW-14 Lab ID: 187593-002
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	320 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	65-130

Field ID: DW-24 Lab ID: 187593-003
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	91	65-130

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC344996

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	65-130

L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	114670
Units:	ug/L	Prepared:	06/23/06
Diln Fac:	1.000	Analyzed:	06/26/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC344997

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,944	78	61-133

Surrogate	%REC	Limits
Hexacosane	91	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC344998

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,168	87	61-133	11	31

Surrogate	%REC	Limits
Hexacosane	93	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	114672
Lab ID:	187593-001	Sampled:	06/22/06
Matrix:	Water	Received:	06/22/06
Units:	ug/L	Analyzed:	06/23/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	114672
Lab ID:	187593-002	Sampled:	06/22/06
Matrix:	Water	Received:	06/22/06
Units:	ug/L	Analyzed:	06/23/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	47	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	14	5.0
Benzene	34	0.5
Toluene	0.5	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	7.6	0.5
m,p-Xylenes	9.7	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	114672
Units:	ug/L	Analyzed:	06/23/06
Diln Fac:	1.000		

Type: BS Lab ID: QC345002

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	122.6	98	64-141
MTBE	25.00	22.00	88	72-120
Isopropyl Ether (DIPE)	25.00	25.81	103	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	24.53	98	77-129
Methyl tert-Amyl Ether (TAME)	25.00	23.39	94	77-120
Benzene	25.00	26.34	105	80-120
Toluene	25.00	24.73	99	80-120
Ethylbenzene	25.00	26.02	104	80-120
m,p-Xylenes	50.00	52.69	105	80-121
o-Xylene	25.00	26.60	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	104	80-122

Type: BSD Lab ID: QC345003

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	120.4	96	64-141	2	22
MTBE	25.00	21.73	87	72-120	1	20
Isopropyl Ether (DIPE)	25.00	24.45	98	68-123	5	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.31	93	77-129	5	20
Methyl tert-Amyl Ether (TAME)	25.00	22.48	90	77-120	4	20
Benzene	25.00	24.85	99	80-120	6	20
Toluene	25.00	23.26	93	80-120	6	20
Ethylbenzene	25.00	25.99	104	80-120	0	20
m,p-Xylenes	50.00	51.68	103	80-121	2	20
o-Xylene	25.00	25.91	104	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	187593	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC345004	Batch#:	114672
Matrix:	Water	Analyzed:	06/23/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected

RL= Reporting Limit

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

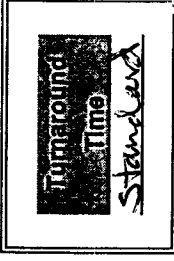
Site Name: Emeryville Industrial Court

Job Number: 4069.01

Project Manager/Contact: Guilermo Leong

Samplers: Eric Murga

Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix			No. Containers & Preservative					Analysis Requested						Remarks			
				Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃	Ice	Other	FH-gas	FH-d.m.o.	Fuel Oxidants	E-Hexane 8260	BTEX/MRE 8260	Lead Scavengers		Silica gel clean-up	Hold	
DW-11	6/22/06	10:20		X			6							X	X	X	X	X			
DW-14	6/22/06	10:50		X			5							X	X	X	X	X			
DW-24	6/22/06	11:10		X			1							X	X	X	X	X			

Relinquished by: (Signature) <u>[Signature]</u>	Date 6/22/06	Time 11:32 AM	Received by: (Signature) <u>[Signature]</u>	Date 6-22-06	Time 11:35 AM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): Curtis & Tempkins

Laboratory Comments/Notes:

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: **003607**

REC'D onicefl



COOLER RECEIPT CHECKLIST

Login#: 187593 Date Received: 6/22/06 Number of Coolers: 1
Client: Dreadnott + Belle Project: Energyville Ind. Ct.

- A. Preliminary Examination Phase
Date Opened: 6/22/06 By (print): Rhn P. (sign) [Signature]
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
 - If YES, enter carrier name and airbill number: _____
 2. Were custody seals on outside of cooler?..... YES NO
 - How many and where? _____ Seal date: _____ Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A
 4. Were custody papers dry and intact when received?..... YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
 6. Did you sign the custody papers in the appropriate place?..... YES NO
 7. Was project identifiable from custody papers?..... YES NO
 - If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
 - Type of ice: WET Temperature: on ice - no temp

- B. Login Phase
Date Logged In: 6/22/06 By (print): Rhn P. (sign) [Signature]
1. Describe type of packing in cooler: Ziploc + Paper towel
 2. Did all bottles arrive unbroken?..... YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
 4. Did bottle labels agree with custody papers?..... YES NO
 5. Were appropriate containers used for the tests indicated?..... YES NO
 6. Were correct preservatives added to samples?..... YES NO
 7. Was sufficient amount of sample sent for tests indicated?..... YES NO
 8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
 9. Was the client contacted concerning this sample delivery?..... YES NO
 - If YES, give details below.
 - Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons

Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	114882
Units:	ug/L	Sampled:	06/30/06
Diln Fac:	1.000	Received:	06/30/06

Field ID:	DW-11	Lab ID:	187787-002
Type:	SAMPLE	Analyzed:	07/01/06

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	69-137
Bromofluorobenzene (FID)	98	80-133

Field ID:	DW-14	Lab ID:	187787-003
Type:	SAMPLE	Analyzed:	07/01/06

Analyte	Result	RL
Gasoline C7-C12	970	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	140 *	69-137
Bromofluorobenzene (FID)	123	80-133

Type:	BLANK	Analyzed:	06/30/06
Lab ID:	QC345833		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	69-137
Bromofluorobenzene (FID)	95	80-133

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC345835	Batch#:	114882
Matrix:	Water	Analyzed:	06/30/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,097	105	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	69-137
Bromofluorobenzene (FID)	109	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114882
MSS Lab ID:	187769-002	Sampled:	06/29/06
Matrix:	Water	Received:	06/29/06
Units:	ug/L	Analyzed:	07/01/06
Diln Fac:	1.000		

Type: MS Lab ID: QC345929

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	77.58	2,000	1,893	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	69-137
Bromofluorobenzene (FID)	109	80-133

Type: MSD Lab ID: QC345930

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,004	96	80-120	6	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	69-137
Bromofluorobenzene (FID)	111	80-133

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114882
MSS Lab ID:	187769-004	Sampled:	06/29/06
Matrix:	Water	Received:	06/29/06
Units:	ug/L	Analyzed:	07/01/06
Diln Fac:	1.000		

Type: MS Lab ID: QC345931

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	21.14	2,000	1,944	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	69-137
Bromofluorobenzene (FID)	112	80-133

Type: MSD Lab ID: QC345932

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,949	96	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	69-137
Bromofluorobenzene (FID)	108	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/30/06
Units:	ug/L	Received:	06/30/06
Diln Fac:	1.000	Prepared:	07/01/06
Batch#:	114914		

Field ID: DW-24	Analyzed: 07/06/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187787-001	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	86	65-130

Field ID: DW-11	Analyzed: 07/07/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187787-002	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	97	65-130

Field ID: DW-14	Analyzed: 07/07/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187787-003	

Analyte	Result	RL
Diesel C10-C24	270 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	65-130

Type: BLANK	Analyzed: 07/05/06
Lab ID: QC345989	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	106	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC345990	Batch#:	114914
Matrix:	Water	Prepared:	07/01/06
Units:	ug/L	Analyzed:	07/05/06

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,266	91	61-133

Surrogate	%REC	Limits
Hexacosane	105	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114914
MSS Lab ID:	187769-002	Sampled:	06/29/06
Matrix:	Water	Received:	06/29/06
Units:	ug/L	Prepared:	07/01/06
Diln Fac:	1.000	Analyzed:	07/05/06

Type: MS
 Lab ID: QC345991

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<20.89	2,500	2,178	87	55-134

Surrogate	%REC	Limits
Hexacosane	99	65-130

Type: MSD
 Lab ID: QC345992

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,293	92	55-134	5	27

Surrogate	%REC	Limits
Hexacosane	104	65-130

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114914
MSS Lab ID:	187769-004	Sampled:	06/29/06
Matrix:	Water	Received:	06/29/06
Units:	ug/L	Prepared:	07/01/06
Diln Fac:	1.000	Analyzed:	07/06/06

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC345993

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	33.80	2,500	2,094	82	55-134

Surrogate	%REC	Limits
Hexacosane	96	65-130

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC345994

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,472	98	55-134	17	27

Surrogate	%REC	Limits
Hexacosane	112	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	114883
Lab ID:	187787-002	Sampled:	06/30/06
Matrix:	Water	Received:	06/30/06
Units:	ug/L	Analyzed:	06/30/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	115	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	92	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	114883
Lab ID:	187787-003	Sampled:	06/30/06
Matrix:	Water	Received:	06/30/06
Units:	ug/L	Analyzed:	06/30/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	35	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	15	5.0
Benzene	30	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	6.7	0.5
m,p-Xylenes	5.6	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	91	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	114883
Units:	ug/L	Analyzed:	06/30/06
Diln Fac:	1.000		

Type: BS Lab ID: QC345836

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	128.0	102	64-141
MTBE	25.00	22.18	89	72-120
Isopropyl Ether (DIPE)	25.00	22.67	91	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	22.16	89	77-129
Methyl tert-Amyl Ether (TAME)	25.00	24.86	99	77-120
Benzene	25.00	22.70	91	80-120
Toluene	25.00	23.74	95	80-120
Ethylbenzene	25.00	24.51	98	80-120
m,p-Xylenes	50.00	48.44	97	80-121
o-Xylene	25.00	25.37	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	91	80-122

Type: BSD Lab ID: QC345837

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	118.7	95	64-141	8	22
MTBE	25.00	21.02	84	72-120	5	20
Isopropyl Ether (DIPE)	25.00	21.52	86	68-123	5	20
Ethyl tert-Butyl Ether (ETBE)	25.00	20.76	83	77-129	7	20
Methyl tert-Amyl Ether (TAME)	25.00	23.98	96	77-120	4	20
Benzene	25.00	21.40	86	80-120	6	20
Toluene	25.00	22.27	89	80-120	6	20
Ethylbenzene	25.00	22.85	91	80-120	7	20
m,p-Xylenes	50.00	45.60	91	80-121	6	20
o-Xylene	25.00	24.16	97	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	91	80-122

Batch QC Report

Volatile Organics			
Lab #:	187787	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC345838	Batch#:	114883
Matrix:	Water	Analyzed:	06/30/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	94	80-122

ND= Not Detected

RL= Reporting Limit

181787

CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

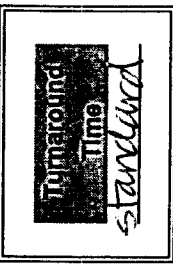
Site Name: Emeryville Industrial CE

Job Number: 4669.6

Project Manager/Contact: Carman Long

Samplers: CYIC MORITA

Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Matrix			No. Containers & Preservative				Analysis Requested								Remarks	
			Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃	Ice	Other	TPH-gas	TPH-d,inc	PAH-DX,grvmt	ETHYL-gsw	BTEX/MIBK-gsw	Lead-Samples	Silica gel clean-up		Hold
DW-24	6/30/06	8:45	X	X				1						X	X	X	X		
DW-11	6/30/06	9:00	X	X				1						X	X	X	X		
DW-14	6/30/06	9:15	X	X				1						X	X	X	X		
Relinquished by (Signature): <u>[Signature]</u> Date: <u>6/30/06</u> Time: <u>10:08AM</u>																			
Relinquished by (Signature): <u>[Signature]</u> Date: _____ Time: _____																			
Relinquished by (Signature): _____ Date: _____ Time: _____																			
Sent to Laboratory (Name): <u>Ames Laboratory</u> Date: <u>6/30/06</u> Time: <u>1008</u> Laboratory Comments/Notes: _____																			

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: **003717**

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 1 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd



COOLER RECEIPT CHECKLIST

Login#: 187787 Date Received: 6-30-06 Number of Coolers: 1
Client: Treadwell + Rollo Project: 4069.01

A. Preliminary Examination Phase

Date Opened: 6-30-06 By (print): Troy Windsor (sign) Troy Windsor

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler?..... YES NO
How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A
4. Were custody papers dry and intact when received?..... YES NO
5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
6. Did you sign the custody papers in the appropriate place?..... YES NO
7. Was project identifiable from custody papers?..... YES NO
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: wet Temperature: Cold - no temp blanks

B. Login Phase

Date Logged In: 6-30-06 By (print): Troy Windsor (sign) Troy Windsor

1. Describe type of packing in cooler: In ziploc bags, was wrapped in paper towels
2. Did all bottles arrive unbroken?..... YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
4. Did bottle labels agree with custody papers?..... YES NO
5. Were appropriate containers used for the tests indicated?..... YES NO
6. Were correct preservatives added to samples?..... YES NO
7. Was sufficient amount of sample sent for tests indicated?..... YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
9. Was the client contacted concerning this sample delivery?..... YES NO
If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons

Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/05/06
Units:	ug/L	Received:	07/05/06
Diln Fac:	1.000	Analyzed:	07/05/06
Batch#:	114971		

Field ID: DW-11 Lab ID: 187859-001
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	69-137
Bromofluorobenzene (FID)	105	80-133

Field ID: DW-14 Lab ID: 187859-002
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	950	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	69-137
Bromofluorobenzene (FID)	124	80-133

Type: BLANK Lab ID: QC346226

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	69-137
Bromofluorobenzene (FID)	102	80-133

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC346281	Batch#:	114971
Matrix:	Water	Analyzed:	07/05/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,008	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	69-137
Bromofluorobenzene (FID)	116	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114971
MSS Lab ID:	187845-001	Sampled:	07/03/06
Matrix:	Water	Received:	07/05/06
Units:	ug/L	Analyzed:	07/05/06
Diln Fac:	1.000		

Type: MS Lab ID: QC346282

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	199.9	2,000	2,164	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	69-137
Bromofluorobenzene (FID)	115	80-133

Type: MSD Lab ID: QC346298

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,158	98	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	69-137
Bromofluorobenzene (FID)	114	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/05/06
Units:	ug/L	Received:	07/05/06
Diln Fac:	1.000	Prepared:	07/06/06
Batch#:	115027		

Field ID: DW-11	Analyzed: 07/11/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187859-001	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	88	65-130

Field ID: DW-14	Analyzed: 07/11/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187859-002	

Analyte	Result	RL
Diesel C10-C24	230 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	102	65-130

Field ID: DW-24	Analyzed: 07/11/06
Type: SAMPLE	Cleanup Method: EPA 3630C
Lab ID: 187859-003	

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	65-130

Type: BLANK	Analyzed: 07/10/06
Lab ID: QC346445	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	89	65-130

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	115027
Units:	ug/L	Prepared:	07/06/06
Diln Fac:	1.000	Analyzed:	07/10/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC346446

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,198	88	61-133

Surrogate	%REC	Limits
Hexacosane	97	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC346447

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,039	82	61-133	7	31

Surrogate	%REC	Limits
Hexacosane	87	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	115013
Lab ID:	187859-001	Sampled:	07/05/06
Matrix:	Water	Received:	07/05/06
Units:	ug/L	Analyzed:	07/06/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	122	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	111	80-122

ND= Not Detected

RL= Reporting Limit

Volatile Organics			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	115013
Lab ID:	187859-002	Sampled:	07/05/06
Matrix:	Water	Received:	07/05/06
Units:	ug/L	Analyzed:	07/06/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	37	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	16	5.0
Benzene	38	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	6.1	0.5
m,p-Xylenes	5.2	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	116	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	115013
Units:	ug/L	Analyzed:	07/06/06
Diln Fac:	1.000		

Type: BS Lab ID: QC346377

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.5	88	64-141
MTBE	25.00	22.07	88	72-120
Isopropyl Ether (DIPE)	25.00	21.99	88	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	22.75	91	77-129
Methyl tert-Amyl Ether (TAME)	25.00	23.93	96	77-120
Benzene	25.00	26.53	106	80-120
Toluene	25.00	26.79	107	80-120
Ethylbenzene	25.00	29.34	117	80-120
m,p-Xylenes	50.00	57.48	115	80-121
o-Xylene	25.00	27.69	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	112	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	96	80-122

Type: BSD Lab ID: QC346378

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	108.4	87	64-141	2	22
MTBE	25.00	22.35	89	72-120	1	20
Isopropyl Ether (DIPE)	25.00	22.76	91	68-123	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.76	91	77-129	0	20
Methyl tert-Amyl Ether (TAME)	25.00	24.36	97	77-120	2	20
Benzene	25.00	25.69	103	80-120	3	20
Toluene	25.00	26.33	105	80-120	2	20
Ethylbenzene	25.00	29.13	117	80-120	1	20
m,p-Xylenes	50.00	56.99	114	80-121	1	20
o-Xylene	25.00	28.43	114	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	187859	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC346379	Batch#:	115013
Matrix:	Water	Analyzed:	07/06/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	118	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-122

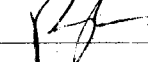
ND= Not Detected

RL= Reporting Limit


COOLER RECEIPT CHECKLIST

Login#: 187839 Date Received: 7/5/06 Number of Coolers: 1
Client: Trindell & Pello Project: Emergyville Industrial Ct.

A. Preliminary Examination Phase

- Date Opened: 7/5/06 By (print): Patrick P. (sign) 
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
If YES, enter carrier name and airbill number: _____
 2. Were custody seals on outside of cooler?..... YES NO
How many and where? _____ Seal date: _____ Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO
 4. Were custody papers dry and intact when received?..... YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
 6. Did you sign the custody papers in the appropriate place?..... YES NO
 7. Was project identifiable from custody papers?..... YES NO
If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO N/A
Type of ice: Wet Temperature: No temp blank

B. Login Phase

- Date Logged In: 7/5/06 By (print): Patrick P. (sign) 
1. Describe type of packing in cooler: zip lock bags, paper towels
 2. Did all bottles arrive unbroken?..... YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
 4. Did bottle labels agree with custody papers?..... YES NO
 5. Were appropriate containers used for the tests indicated?..... YES NO
 6. Were correct preservatives added to samples?..... YES NO
 7. Was sufficient amount of sample sent for tests indicated?..... YES NO
 8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
 9. Was the client contacted concerning this sample delivery?..... YES NO
If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/12/06
Units:	ug/L	Received:	07/12/06
Diln Fac:	1.000	Analyzed:	07/12/06
Batch#:	115187		

Field ID: DW-11 Lab ID: 188019-002
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	69-137
Bromofluorobenzene (FID)	104	80-133

Field ID: DW-14 Lab ID: 188019-003
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	850 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139 *	69-137
Bromofluorobenzene (FID)	121	80-133

Type: BLANK Lab ID: QC347083

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	98	80-133

*= Value outside of QC limits; see narrative

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC347085	Batch#:	115187
Matrix:	Water	Analyzed:	07/12/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,084	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	69-137
Bromofluorobenzene (FID)	114	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	115187
MSS Lab ID:	188021-009	Sampled:	07/11/06
Matrix:	Water	Received:	07/12/06
Units:	ug/L	Analyzed:	07/12/06
Diln Fac:	1.000		

Type: MS Lab ID: QC347162

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	623.9	2,000	2,550	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	69-137
Bromofluorobenzene (FID)	132	80-133

Type: MSD Lab ID: QC347163

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,510	94	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	69-137
Bromofluorobenzene (FID)	131	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/12/06
Units:	ug/L	Received:	07/12/06
Diln Fac:	1.000	Prepared:	07/14/06
Batch#:	115333		

Field ID: DW-24 Analyzed: 07/19/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 188019-001

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	164 *	>LR b 65-130

Field ID: DW-11 Lab ID: 188019-002
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	78 Y	50	07/19/06
Motor Oil C24-C36	ND	300	07/20/06

Surrogate	%REC	Limits	Analyzed
Hexacosane	123	65-130	07/19/06

Field ID: DW-14 Analyzed: 07/19/06
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 188019-003

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	127	65-130

Type: BLANK Analyzed: 07/18/06
 Lab ID: QC347662 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	122	65-130

*= Value outside of QC limits; see narrative
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >LR= Response exceeds instrument's linear range

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC347663	Batch#:	115333
Matrix:	Water	Prepared:	07/14/06
Units:	ug/L	Analyzed:	07/18/06

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,713	109	61-133

Surrogate	%REC	Limits
Hexacosane	117	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	115333
MSS Lab ID:	188092-008	Sampled:	07/13/06
Matrix:	Water	Received:	07/14/06
Units:	ug/L	Prepared:	07/14/06
Diln Fac:	1.000	Analyzed:	07/18/06

Type: MS Lab ID: QC347664

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	96.15	2,500	2,641	102	55-134

Surrogate	%REC	Limits
Hexacosane	107	65-130

Type: MSD Lab ID: QC347665

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,653	102	55-134	0	27

Surrogate	%REC	Limits
Hexacosane	110	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	115233
Lab ID:	188019-002	Sampled:	07/12/06
Matrix:	Water	Received:	07/12/06
Units:	ug/L	Analyzed:	07/13/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	110	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	115233
Lab ID:	188019-003	Sampled:	07/12/06
Matrix:	Water	Received:	07/12/06
Units:	ug/L	Analyzed:	07/13/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	24	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	14	5.0
Benzene	26	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	6.9	0.5
m,p-Xylenes	4.6	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	115233
Units:	ug/L	Analyzed:	07/13/06
Diln Fac:	1.000		

Type: BS Lab ID: QC347277

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	109.6	88	64-141
MTBE	25.00	21.21	85	72-120
Isopropyl Ether (DIPE)	25.00	24.06	96	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	22.95	92	77-129
Methyl tert-Amyl Ether (TAME)	25.00	23.70	95	77-120
Benzene	25.00	26.00	104	80-120
Toluene	25.00	24.03	96	80-120
Ethylbenzene	25.00	26.27	105	80-120
m,p-Xylenes	50.00	51.57	103	80-121
o-Xylene	25.00	24.64	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC347278

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	132.9	106	64-141	19	22
MTBE	25.00	23.92	96	72-120	12	20
Isopropyl Ether (DIPE)	25.00	25.97	104	68-123	8	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.45	102	77-129	10	20
Methyl tert-Amyl Ether (TAME)	25.00	26.78	107	77-120	12	20
Benzene	25.00	26.63	107	80-120	2	20
Toluene	25.00	24.64	99	80-120	3	20
Ethylbenzene	25.00	26.90	108	80-120	2	20
m,p-Xylenes	50.00	52.80	106	80-121	2	20
o-Xylene	25.00	25.43	102	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	108	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	188019	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC347279	Batch#:	115233
Matrix:	Water	Analyzed:	07/13/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected

RL= Reporting Limit

188019

CHAIN OF CUSTODY RECORD

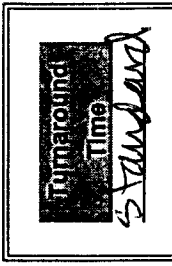
Treadwell & Rollo

Environmental and Geotechnical Consultant

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Page 1 of 1

Site Name: SEANAVILLE INDUSTRIAL ST
 Job Number: AD67101
 Project Manager/Contact: GIANN LONG
 Samplers: ERIC MARTIN
 Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix				No. Containers & Preservative				Analysis Requested	Hold	Remarks	
				Soil	Water	Other	HCL	H2SO4	HNO3	Ice	Other				
DW-24	7/12/06	8:00		X											
DW-11	5	8:20		X			6								
DW-1A	2	8:45		X			6								

PH-GAS X
 TPH-AIOM X
 BTEX/MTX/EK X
 FUEL OXYGENATED X
 ETHANOL/200 X
 LEAD XANGLS X

3 BTEX/MTX/EK by 8260

Relinquished by (Signature): [Signature] Date: 7/12/06 Time: 9:20 AM
 Relinquished by (Signature): [Signature] Date: 7/12/06 Time: _____
 Relinquished by (Signature): _____ Date: _____ Time: _____
 Sent to Laboratory (Name): URS & TOMPAKINS
 Laboratory Comments/Notes: _____

Method of Shipment: Hand Carried Lab courier Fed Ex Airborne UPS

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: **003721**

COOLER RECEIPT CHECKLIST

Login#: 188019 Date Received: 7/12/06 Number of Coolers: 1
Client: Frederick + Bello Project: Emeryville Industrial Ct.

A. Preliminary Examination Phase

Date Opened: 7/12/06 By (print): Phil P. (sign) Phil P.

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
- If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler?..... YES NO
- How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO N/A
4. Were custody papers dry and intact when received?..... YES NO
5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
6. Did you sign the custody papers in the appropriate place?..... YES NO
7. Was project identifiable from custody papers?..... YES NO
- If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
- Type of ice: wet Temperature: on ice - no temp

B. Login Phase

Date Logged In: 7/12/06 By (print): Phil P. (sign) Phil P.

1. Describe type of packing in cooler: Ziploc bags
2. Did all bottles arrive unbroken?..... YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)?..... YES NO
4. Did bottle labels agree with custody papers?..... YES NO
5. Were appropriate containers used for the tests indicated?..... YES NO
6. Were correct preservatives added to samples?..... YES NO
7. Was sufficient amount of sample sent for tests indicated?..... YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
9. Was the client contacted concerning this sample delivery?..... YES NO
- If YES, give details below.
- Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Total Volatile Hydrocarbons

Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	115416
Units:	ug/L	Sampled:	07/18/06
Diln Fac:	1.000	Received:	07/18/06

Field ID:	DW-11	Lab ID:	188144-002
Type:	SAMPLE	Analyzed:	07/19/06

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	114	80-133

Field ID:	DW-14	Lab ID:	188144-003
Type:	SAMPLE	Analyzed:	07/19/06

Analyte	Result	RL
Gasoline C7-C12	980	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	69-137
Bromofluorobenzene (FID)	132	80-133

Type:	BLANK	Analyzed:	07/18/06
Lab ID:	QC347998		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	69-137
Bromofluorobenzene (FID)	99	80-133

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC347999	Batch#:	115416
Matrix:	Water	Analyzed:	07/18/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,812	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	69-137
Bromofluorobenzene (FID)	82	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	115416
MSS Lab ID:	188087-001	Sampled:	07/13/06
Matrix:	Water	Received:	07/14/06
Units:	ug/L	Analyzed:	07/18/06
Diln Fac:	1.000		

Type: MS Lab ID: QC348038

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	30.00	2,000	1,690	83	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-137
Bromofluorobenzene (FID)	125	80-133

Type: MSD Lab ID: QC348039

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,650	81	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	69-137
Bromofluorobenzene (FID)	107	80-133

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/18/06
Units:	ug/L	Received:	07/18/06

Field ID: DW-24	Batch#: 115472
Type: SAMPLE	Prepared: 07/19/06
Lab ID: 188144-001	Analyzed: 07/24/06
Diln Fac: 1.000	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	141 *	65-130

Field ID: DW-11	Batch#: 115472
Type: SAMPLE	Prepared: 07/19/06
Lab ID: 188144-002	Analyzed: 07/24/06
Diln Fac: 1.000	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	145 *	65-130

Field ID: DW-14	Batch#: 115719
Type: SAMPLE	Prepared: 07/25/06
Lab ID: 188144-003	Analyzed: 07/26/06
Diln Fac: 1.000	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	220 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	76	65-130

Type: BLANK	Prepared: 07/19/06
Lab ID: QC348227	Analyzed: 07/24/06
Diln Fac: 2.000	Cleanup Method: EPA 3630C
Batch#: 115472	

Analyte	Result	RL
Diesel C10-C24	ND	100
Motor Oil C24-C36	ND	600

Surrogate	%REC	Limits
Hexacosane	227 *	65-130

*= Value outside of QC limits; see narrative
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons

Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/18/06
Units:	ug/L	Received:	07/18/06

Type:	BLANK	Prepared:	07/25/06
Lab ID:	QC349142	Analyzed:	07/26/06
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	115719		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	95	65-130

*= Value outside of QC limits; see narrative
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC348228	Batch#:	115472
Matrix:	Water	Prepared:	07/19/06
Units:	ug/L	Analyzed:	07/23/06

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,789	112	61-133

Surrogate	%REC	Limits
Hexacosane	115	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	115472
MSS Lab ID:	188087-001	Sampled:	07/13/06
Matrix:	Water	Received:	07/14/06
Units:	ug/L	Prepared:	07/19/06
Diln Fac:	1.000	Analyzed:	07/24/06

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC348229

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	29.48	2,500	2,364	93	55-134

Surrogate	%REC	Limits
Hexacosane	103	65-130

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC348230

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,713	107	55-134	14	27

Surrogate	%REC	Limits
Hexacosane	118	65-130

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	115719
Units:	ug/L	Prepared:	07/25/06
Diln Fac:	1.000	Analyzed:	07/26/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC349143

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	24,000	18,980	79	61-133

Surrogate	%REC	Limits
Hexacosane	88	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC349144

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	24,000	22,480	94	61-133	17	31

Surrogate	%REC	Limits
Hexacosane	105	65-130

RPD= Relative Percent Difference

Volatile Organics			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	115425
Lab ID:	188144-002	Sampled:	07/18/06
Matrix:	Water	Received:	07/18/06
Units:	ug/L	Analyzed:	07/18/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	114	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	115425
Lab ID:	188144-003	Sampled:	07/18/06
Matrix:	Water	Received:	07/18/06
Units:	ug/L	Analyzed:	07/18/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	57	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	14	5.0
Benzene	39	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	6.5	0.5
m,p-Xylenes	4.8	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	115425
Units:	ug/L	Analyzed:	07/18/06
Diln Fac:	1.000		

Type: BS Lab ID: QC348033

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	128.9	103	64-141
MTBE	25.00	24.03	96	72-120
Isopropyl Ether (DIPE)	25.00	27.15	109	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	26.09	104	77-129
Methyl tert-Amyl Ether (TAME)	25.00	25.64	103	77-120
Benzene	25.00	28.27	113	80-120
Toluene	25.00	26.47	106	80-120
Ethylbenzene	25.00	28.28	113	80-120
m,p-Xylenes	50.00	55.96	112	80-121
o-Xylene	25.00	27.49	110	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC348034

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	115.9	93	64-141	11	22
MTBE	25.00	21.94	88	72-120	9	20
Isopropyl Ether (DIPE)	25.00	24.35	97	68-123	11	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.28	93	77-129	11	20
Methyl tert-Amyl Ether (TAME)	25.00	23.78	95	77-120	8	20
Benzene	25.00	25.10	100	80-120	12	20
Toluene	25.00	23.42	94	80-120	12	20
Ethylbenzene	25.00	24.67	99	80-120	14	20
m,p-Xylenes	50.00	48.99	98	80-121	13	20
o-Xylene	25.00	23.87	95	80-120	14	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	188144	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC348035	Batch#:	115425
Matrix:	Water	Analyzed:	07/18/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	113	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected

RL= Reporting Limit

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COOLER RECEIPT CHECKLIST

Login#: 188144 Date Received: 7-18-06 Number of Coolers: 1
Client: Treadwell & Roll Project: 4069.01

A. Preliminary Examination Phase

Date Opened: 7-18-06 By (print): Troy Windsor (sign) Troy Windsor

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO

If YES, enter carrier name and airbill number: _____

2. Were custody seals on outside of cooler?..... YES NO

How many and where? _____ Seal date: _____ Seal name: _____

3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO

4. Were custody papers dry and intact when received?..... YES NO

5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO

6. Did you sign the custody papers in the appropriate place?..... YES NO

7. Was project identifiable from custody papers?..... YES NO

If YES, enter project name at the top of this form.

8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO

Type of ice: wet Temperature: cold - no temp blank

B. Login Phase

Date Logged In: 7-18-06 By (print): Troy Windsor (sign) Troy Windsor

1. Describe type of packing in cooler: in ziploc bags, vials wrapped w/ paper towels

2. Did all bottles arrive unbroken?..... YES NO

3. Were labels in good condition and complete (ID, date, time, signature, etc.)?... YES NO

4. Did bottle labels agree with custody papers?..... YES NO

5. Were appropriate containers used for the tests indicated?..... YES NO

6. Were correct preservatives added to samples?..... YES NO

7. Was sufficient amount of sample sent for tests indicated?..... YES NO

8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO

9. Was the client contacted concerning this sample delivery?..... YES NO

If YES, give details below.

Who was called? _____ By whom? _____ Date: _____

Additional Comments:

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC349627	Batch#:	115849
Matrix:	Water	Analyzed:	07/28/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,969	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	69-137
Bromofluorobenzene (FID)	112	80-133

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	115849
MSS Lab ID:	188381-003	Sampled:	07/27/06
Matrix:	Water	Received:	07/27/06
Units:	ug/L	Analyzed:	07/28/06
Diln Fac:	1.000		

Type: MS Lab ID: QC349628

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	41.45	2,000	1,879	92	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	69-137
Bromofluorobenzene (FID)	110	80-133

Type: MSD Lab ID: QC349629

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,789	87	80-120	5	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	69-137
Bromofluorobenzene (FID)	108	80-133

RPD= Relative Percent Difference

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	115871
Units:	ug/L	Prepared:	07/29/06
Diln Fac:	1.000	Analyzed:	08/01/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC349731

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,227	89	61-133

Surrogate	%REC	Limits
Hexacosane	91	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC349732

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,224	89	61-133	0	31

Surrogate	%REC	Limits
Hexacosane	88	65-130

Volatile Organics			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-11	Batch#:	115839
Lab ID:	188363-001	Sampled:	07/27/06
Matrix:	Water	Received:	07/27/06
Units:	ug/L	Analyzed:	07/28/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	125	80-130
Toluene-d8	111	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
 RL= Reporting Limit

Volatile Organics			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	DW-14	Batch#:	115839
Lab ID:	188363-002	Sampled:	07/27/06
Matrix:	Water	Received:	07/27/06
Units:	ug/L	Analyzed:	07/28/06
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	51	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	15	5.0
Benzene	38	0.5
Toluene	0.5	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	3.2	0.5
m,p-Xylenes	5.3	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	122	80-130
Toluene-d8	112	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Volatile Organics			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	115839
Units:	ug/L	Analyzed:	07/28/06
Diln Fac:	1.000		

Type: BS Lab ID: QC349587

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	131.1	105	64-141
MTBE	25.00	25.34	101	72-120
Isopropyl Ether (DIPE)	25.00	27.27	109	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	27.55	110	77-129
Methyl tert-Amyl Ether (TAME)	25.00	28.67	115	77-120
Benzene	25.00	27.14	109	80-120
Toluene	25.00	25.24	101	80-120
Ethylbenzene	25.00	28.73	115	80-120
m,p-Xylenes	50.00	55.14	110	80-121
o-Xylene	25.00	26.56	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	120	80-130
Toluene-d8	112	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC349588

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	121.5	97	64-141	8	22
MTBE	25.00	22.90	92	72-120	10	20
Isopropyl Ether (DIPE)	25.00	24.33	97	68-123	11	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.90	100	77-129	10	20
Methyl tert-Amyl Ether (TAME)	25.00	26.25	105	77-120	9	20
Benzene	25.00	27.05	108	80-120	0	20
Toluene	25.00	25.38	102	80-120	1	20
Ethylbenzene	25.00	28.98	116	80-120	1	20
m,p-Xylenes	50.00	54.55	109	80-121	1	20
o-Xylene	25.00	26.78	107	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	117	80-130
Toluene-d8	108	80-120
Bromofluorobenzene	104	80-122

RPD= Relative Percent Difference

Batch QC Report

Volatile Organics			
Lab #:	188363	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC349589	Batch#:	115839
Matrix:	Water	Analyzed:	07/28/06
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Ethanol	ND	1,000
1,2-Dichloroethane	ND	5.0
Benzene	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	118	80-130
Toluene-d8	110	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected

RL= Reporting Limit

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COOLER RECEIPT CHECKLIST

Login#: 188363 Date Received: 7-27-06 Number of Coolers: 1
Client: Treadwell & Rollo Project: 4069.91

- A. Preliminary Examination Phase
Date Opened: 7-27-06 By (print): Troy Windsor (sign) Troy Windsor
1. Did cooler come with a shipping slip (airbill, etc.)?..... YES NO
If YES, enter carrier name and airbill number: _____
 2. Were custody seals on outside of cooler?..... YES NO
How many and where? _____ Seal date: _____ Seal name: _____
 3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO
 4. Were custody papers dry and intact when received?..... YES NO
 5. Were custody papers filled out properly (ink, signed, etc.)?..... YES NO
 6. Did you sign the custody papers in the appropriate place?..... YES NO
 7. Was project identifiable from custody papers?..... YES NO
If YES, enter project name at the top of this form.
 8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: wet Temperature: cold - no temp blank

- B. Login Phase
Date Logged In: 7-27-06 By (print): Troy Windsor (sign) Troy Windsor
1. Describe type of packing in cooler: in ziploc bags, was wrapped in paper
 2. Did all bottles arrive unbroken?..... YES NO
 3. Were labels in good condition and complete (ID, date, time, signature, etc.)?... YES NO
 4. Did bottle labels agree with custody papers?..... YES NO
 5. Were appropriate containers used for the tests indicated?..... YES NO
 6. Were correct preservatives added to samples?..... YES NO
 7. Was sufficient amount of sample sent for tests indicated?..... YES NO
 8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES NO
 9. Was the client contacted concerning this sample delivery?..... YES NO
If YES, give details below.
Who was called? _____ By whom? _____ Date: _____

Additional Comments:

