ATTACHMENT 4

Underground Storage Tank Report

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

September 19, 2008

Mr. Manuel Regalado
Los Angeles County Department of Public Works
Environmental Programs Divisions
Underground Storage Tanks Units
900 South Fremont Avenue
Annex 3rd Floor
Alhambra, California 91803-1331

Re: Sampling Results for Underground Storage Tank
Cooper Drum Company Superfund Site
9316 Atlantic Avenue
South Gate, California 90280

Dear Mr. Regalado:

The U.S. Environmental Protection Agency (EPA) has prepared this report to document soil sampling and groundwater sampling results at the location of a former 6,000 gallon gasoline underground storage tank located at the above-referenced property (site) (Figure 1). The sampling was performed by URS Corporation (URS) on behalf of EPA based on your request. Apparently the tank was abandoned in place (filled with material) and subsequent closure sampling was not performed. The purpose of the sampling was to address any potential volatile organic compound (VOC) or fuel related contamination that may have leaked from the tank. The following pages present the site description, site sampling activities, results of the sampling, and conclusions and recommendations.

SITE DESCRIPTION

The 3.8-acre facility is bordered by industrial properties on the north and east, mixed commercial/residential properties on the west, and the former elementary school (Tweedy Elementary School) on the south. The site layout is shown on Figure 2. Drum reconditioning activities began in the 1940s. By 1992, the former hard-wash area (HWA) , located on the eastside of the property, was closed and replaced with a new HWA in the Drum Processing Area (DPA), which also provided hard piping and secondary containment. Drum reconditioning activities were terminated in October 2003, when Consolidated Drum Company removed all drum-recycling equipment and associated containment piping and tanks to off-site facilities. Following the removal of drum processing operations, there were four new tenants at the Site, including a pallet company, a trucking and towing company, and two automotive repair/ salvage companies. As of June 2006, the automotive repair/salvage companies moved operations off site and the pallet company expanded their operations to the vacant property.

SITE SAMPLING ACTIVITIES

A description of the sampling and analysis that was performed at the location of the former 6,000 gallon gasoline underground storage tank (UST) is provided below.

The UST is located immediately south of the warehouse which is along the east site boundary adjacent to Rayo Avenue. The tank location is shown on a map provided by LA County, (See Attachment 1). Soil borings were drilled on the east and west end of the tank. The two borings (SB-40 and SB-41) were drilled by Gregg In-Situ using a direct push drill rig. Soil samples were collected near surface beginning at approximately 2.5 feet below groundsurface (bgs), and then at 10 feet bgs, 20 feet bgs, and 30 feet bgs. The soil cores were retrieved in acetate liners. Soil samples were collected with Encore samplers from the soil core and placed in a cooler and sent to the laboratory under chain of custody to be analyzed for volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX); and methyl tert-butyl ether (MTBE) using EPA Method 8260B and total petroleum hydrocarbons as gasoline (TPHG) using EPA method 8015(M).

Since a perched aquifer is present from approximately 35 to 40 feet bgs beneath the tank, a groundwater sample was also collected from boring (SB-40), which is adjacent to the most southern side of the tank. Groundwater was first encountered in SB-40 at approximately 36 feet bgs. No evidence of free-phase product was observed during drilling or groundwater sampling activities. After advancing the probe to a depth of 40 feet bgs, the probe was retracted and a dedicated polyvinyl chloride (PVC) well screen and riser was inserted into the borehole for collection of a groundwater sample. Groundwater samples were collected from the temporary well using a stainless steel bailer. The groundwater sample was collected in appropriate containers and also analyzed for VOCs and TPHG using EPA Methods 8260B and 8015M, respectively. All samples were shipped to the EPA Region 9 laboratory located in Richmond, California for analysis. The field boring logs area included as Attachment 2.

The above sampling was performed on March 4, 2008 however, the 2.5 feet bgs soil samples were inadvertently not collected at this time and subsequently collected on April 15, 2008 using a hand auger and Encore samplers.

SOIL AND GROUNDWATER ANALYTICAL RESULTS

Analytical data for the soil and groundwater samples collected during the sampling activities are presented on Table 1 and Table 2, respectively. The laboratory analytical data sheets are included as Attachment 3.

As shown in Table 1, TPHG, MTBE, and BTEX were not detected in any of the soil samples collected. The only VOC detected included trace concentrations of tetrachlorethylene (PCE) in SB-40 (3.2 ug/kg at 2.5 feet bgs) and SB-41 (4.3 ug/kg at 10 feet bgs and 2.5 ug/kg at 20 feet bgs) and trichlorofluoromethane at 2.5 feet bgs in SB-40 (1.5 ug/kg) and SB-41 (3.0 ug/kg)

As shown in Table 2, TPHG and benzene were detected in the grab groundwater sample at levels slightly above the detection limits. MTBE, toluene, ethylbenzene, and total xylenes were not

detected in the groundwater sample. A total of 9 other VOCs were detected in the groundwater as shown at the bottom of Table 2.

CONCLUSIONS AND RECOMMENDATIONS

The non detectable levels of gasoline related compounds in the soil samples indicate there are no fuel-related impacts from the UST. Trace concentrations of TPHG (slightly above GWQO) and benzene were reported in the grab groundwater sample collected from the perched aquifer beneath the UST. Benzene has also been detected in the perched aquifer (upto 16 ug/L) and in the shallow Gaspur Aquifer (upto 20 ug/L) that is present beneath the site (beginning at approximately 55 feet bgs). Higher concentrations of benzene have been reported at monitor well locations (SVE-1 and EW-2, respectively) that are located in the HWA which is approximately 100 feet upgradient and to the north of the UST location. On this basis, it appears the trace levels of TPHG and benzene in groundwater are not related to the UST.

The other VOCs detected in the groundwater are also found at significantly (2 to 3 orders of magnitude) higher concentrations in SVE-1 and EW-2 indicating that the lateral migration of contaminants in the perched aquifer to the south of the HWA may be limited to the vicinity of the UST.

If you have any questions or comments regarding this report, please call me at 415-972-3159.

Sincerely,

[*Original signed by*]

Eric Yunker
Superfund Project Manager

Attachments:	Table 1	Soil Sampling Results
	Table 2	Groundwater Sampling Results
	Figure 1	Site Location Map
	Figure 2	Site Layout
	Attachment 1	Tank Location Map
	Attachment 2	Field Boring Logs
	Attachment 3	Laboratory Analytical Data Sheets

cc: Lori Parnass, DTSC
Frederico Cabo
Don Gruber, URS

Table 1

Soil VOC and TPH Analytical Analytical Data
Underground Gasoline Storage Tank Sampling March 2008
Cooper Drum Company Superfund Site
South Gate, CA

Sample ID	Sample Depth (ft-bgs)	TPHG (ug/kg)	MTBE (ug/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Total Xylenes (ug/kg)	other VOCs (ug/kg)
SB-40	2.5	<4.9	<10	<2.5	<2.5	<2.5	<5.0	PCE (3.2), FC-11(1.5)
SB-40	10	<5.9	<10	<2.6	<2.6	<2.6	<5.1	None
SB-40	20	<7.5	<15	<3.7	<3.7	<3.7	<7.5	None
SB-40	30	<5.1	<10	<2.6	<2.6	<2.6	<2.6	None
SB-41	2.5	<6.1	<13	<3.3	<3.3	<3.3	<6.5	FC-11 (3.0)
SB-41	10	<5.3	<9.7	<2.4	<2.4	<4.8	<2.4	PCE (4.3)
SB-41	20	<6.7	<12	<3.1	<3.1	<3.1	<6.1	PCE (2.5)
SB-41	30	<5.3	<10	<2.6	<2.6	<2.6	<5.1	None

Notes:

ft-bgs	Feet below ground surface
MTBE	Methyl tertiary-butyl ether
TPHG	Total petroleum hydrocarbons as gasoline
PCE	Tetrachloroethylene
FC-11	Trichlorofluoromethane
ug/kg	Micrograms per killogram (parts per billion)

Table 2

Groundwater Analytical Data
6,000 Gallon Underground Gasoline Storage Tank Sampling Results March 2008
Cooper Drum Company Superfund Site
South Gate, CA

Sample ID	Sample Depth (ft-bgs)	TPHG (ug/L)	MTBE (ug/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	Toluene (ug/L)	Total Xylenes (ug/L)
Water Quality Objective		**50***	**5**	**0.5***	**30**	**40**	**20**
SB-40-GW	38-40	**64**	<2.0	**0.70**	<0.5	0.40	<1.0

Notes:

ft-bgs	Feet below ground surface
MTBE	Methyl tertiary-butyl ether
TPHD	Total petroleum hydrocarbons as diesel
TPHG	Total petroleum hydrocarbons as gasoline
ug/L	Micrograms per liter (parts per billion)
*	Water quality objective shown is based on the practical quanitiation limit

Other VOCs detected include: Vinyl Chloride (0.7), 1,1-DCE (1.0), Acetone (7.3), trans-1,2-DCE (0.3), 1,1-DCA (8.0), cis-1,2-DCE (3.9), 1,2-DCA (14), TCE (8.1), Chlorobenzene (0.4)

Concentrations in **bold** exceed Groundwater Water Quality Objectives established by the Regional Water Quality Control Board

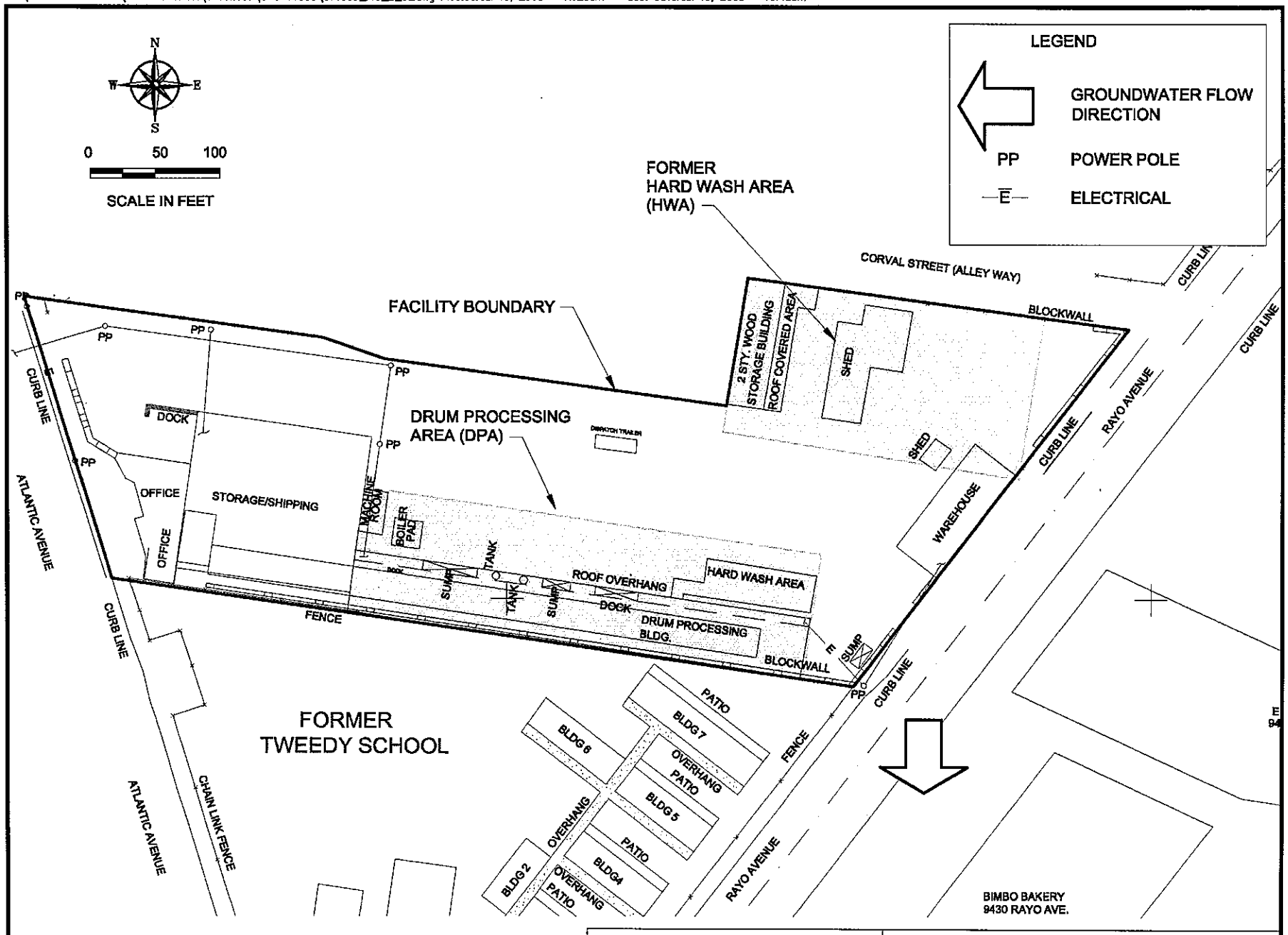
URS
2870 GATEWAY OAKS DRIVE, SUITE 300
SACRAMENTO, CA 95833

Cooper Drum Company
South Gate, CA

Figure 1
Site Location Map

T:\current-work files\COOPER-DRUM\071520081C-D 71508\071508_FIG_1_SLM.dwg Plotted: Jul 16, 2008 - 11:24am Last Save: Jul 16, 2008 - 9:08am

T:\current-work files\COOPER-DRUM\07152008\C-D 71508\071508_FIG_2_SL.dwg Plotted: Jul 16, 2008 – 11:25am Last Save: Jul 16, 2008 – 10:18am



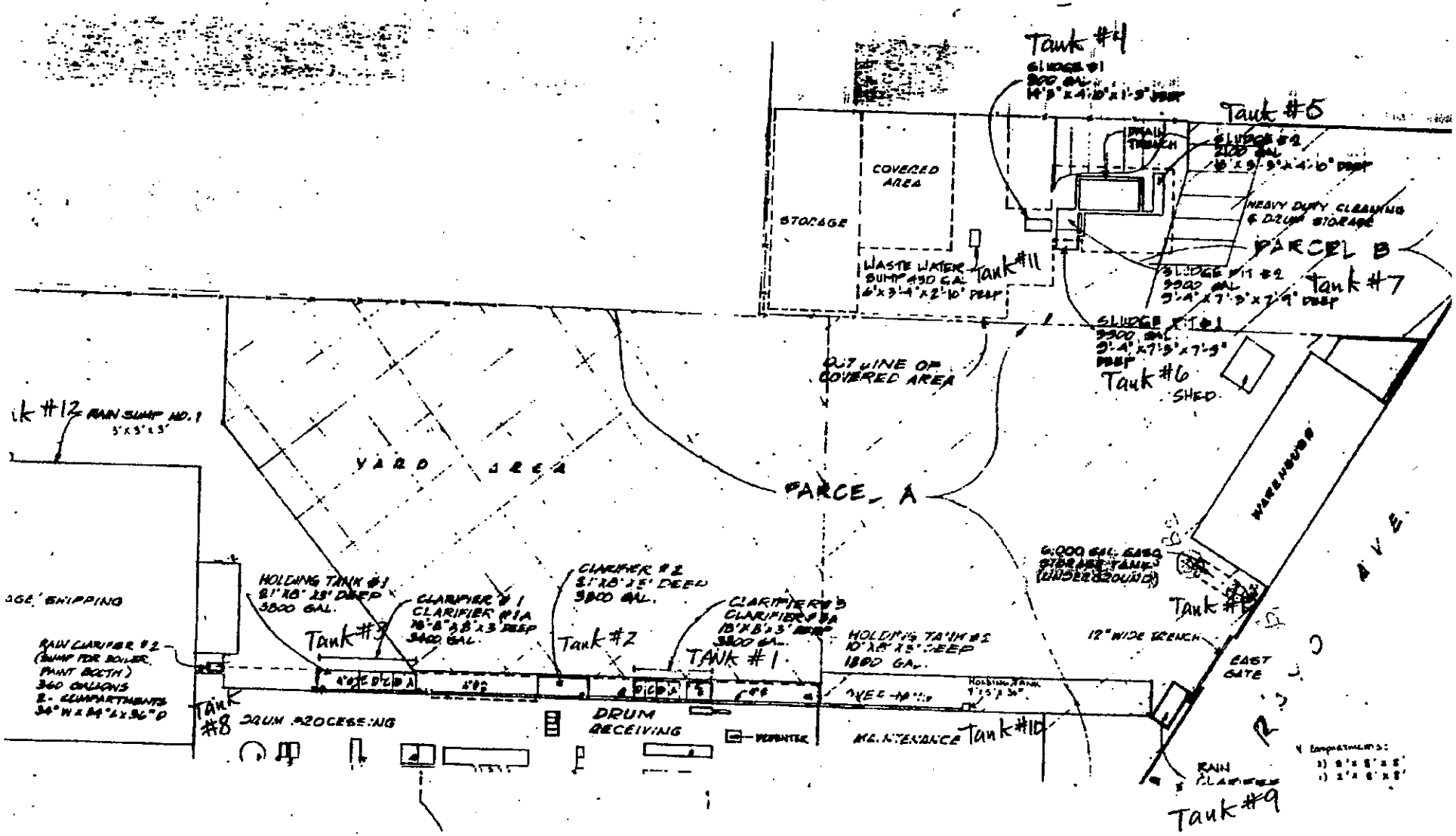
URS
2870 GATEWAY OAKS DRIVE, SUITE 150
SACRAMENTO, CA 95833

Cooper Drum Company
South Gate, CA

Figure 2
Site Layout and Source Areas

ATTACHMENT 1

(Tank Location Map, From LA County Public Works)


Tank #4
SLUDGE #1
3800 GAL.
14'-9" x 4'-6" x 1'-9" DEEP
Tank #5
DRAIN TRENCH
SLUDGE #2
2100 GAL.
10' x 5'-9" x 4'-6" DEEP
HEAVY DUTY CLEANING & DRUM STORAGE
PARCEL B
COVERED AREA
STORAGE
WASTE WATER SUMP 450 GAL.
6' x 3'-4" x 2'-10" DEEP
Tank #11
SLUDGE #1 & #2
3300 GAL.
9'-4" x 7'-5" x 7'-9" DEEP
Tank #7
SLUDGE #1 & #2
3300 GAL.
9'-4" x 7'-5" x 7'-9" DEEP
Tank #6
SHED
OUTLINE OF COVERED AREA
YARD AREA
PARCEL A
WAREHOUSE
6,000 GAL. GASO STORAGE TANKS (UNDERGROUND)
Tank #
12" WIDE TRENCH
EAST GATE
AVE
Tank #12
RAIN SUMP NO. 1
3' x 3' x 3'
AGE SHIPPING
HOLDING TANK #1
8'-10" x 8' DEEP
3800 GAL.
Tank #3
CLARIFIER #1
CLARIFIER #1A
10'-8" x 8' x 3' DEEP
3800 GAL.
CLARIFIER #2
8'-10" x 8' DEEP
3800 GAL.
Tank #2
CLARIFIER #3
CLARIFIER #3A
10' x 8' x 3' DEEP
3800 GAL.
TANK #1
HOLDING TANK #2
10'-10" x 8' DEEP
1800 GAL.
RAIN CLARIFIER #2
(SUMP FOR BOILER, PAINT BOOTH)
360 GALLONS
2 COMPARTMENTS
36" W x 84" L x 36" D
Tank #8
DRUM PROCESSING
DRUM RECEIVING
VERMINTER
MAINTENANCE
Tank #10
RAIN CLARIFIER
Tank #9

ATTACHMENT 2

(Field Boring/Sampling Log)

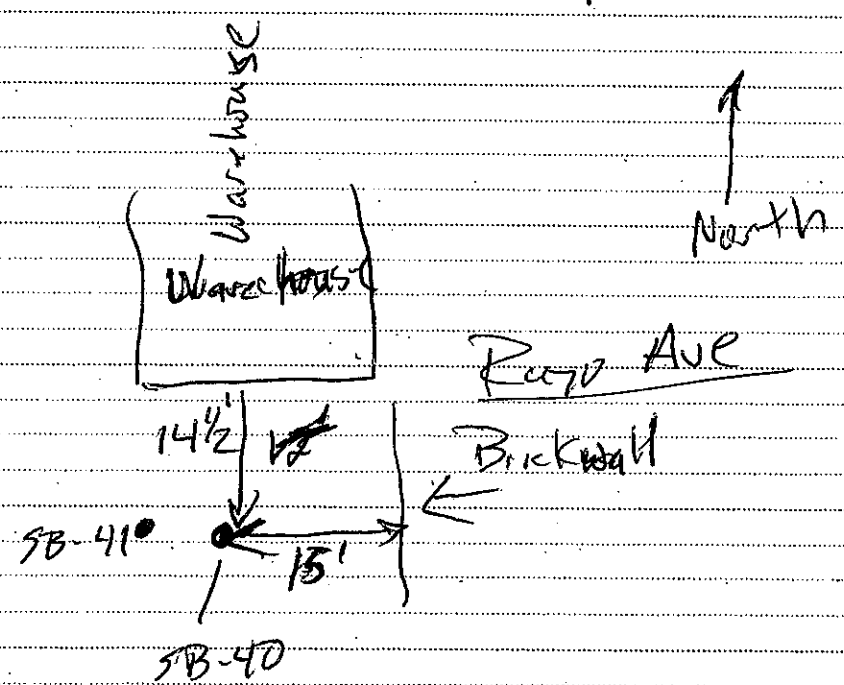
URS Consultants, Inc.

Exhibit 7.1-8 (continued)
Exploratory Boring Log

BORING NO: SB-40
Page: ____ of ____

Project: Cooper Drum ~~to~~ east end of tank
Project No: ____
Logged By: DH
Date: 3-4-08
Reviewed By: ____
Date: ____

Field Data OVA/ Other	Sample Number	Blow Count/6"	Depth	Well Completion Diagram	Soil Group Symbol (USCS)	Surface Description / Description
						SB-40 - ~~West~~ east end of tank
						IP
						SB-40 - 10' silty sand @08:00
						SB-40 20' clayey silt @ 08:20
						SB-40 - 30' silty sand @08:30
						~~Set Temp.~~
						Collected GW sample @40
						installed temp 6" casing, to 40'
						GW sample 09:00 ID SB-40-GW
						Trip Blank 07:45 ID Trip Blank



Note: 2.5' sample collected on 4/15/08

URS #94 3/90

MM

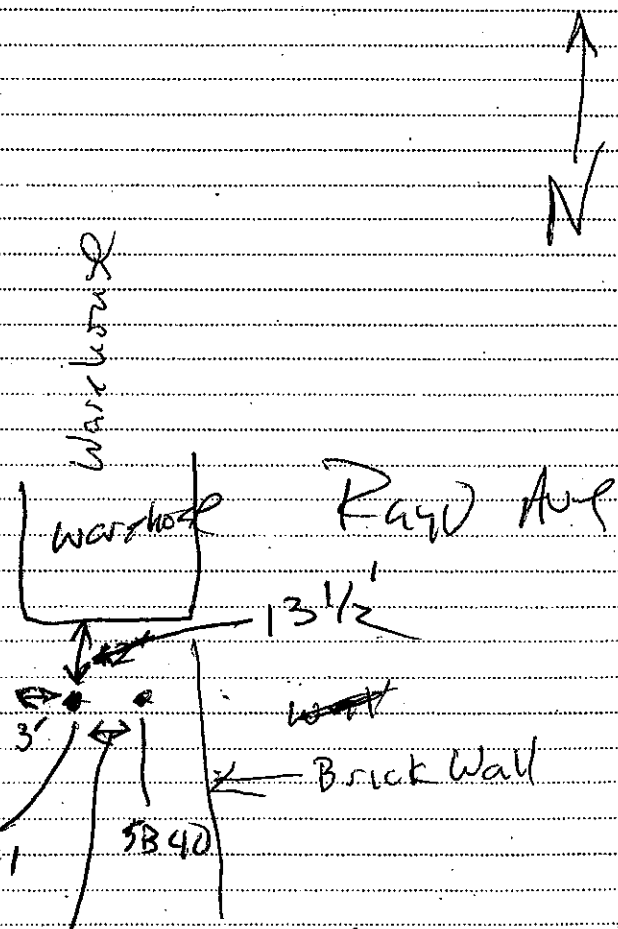
URS Consultants, Inc.

Exhibit 7.1-8 (continued)
Exploratory Boring Log

BORING NO: SB-41
Page: ____ of ____

Project: Cooper Drum Project No: ____ Logged By: DJY Date: 3-4-08
SB-41 – West end of tank Reviewed By: ____ Date: ____

Field Data OVA/ Other	Sample Number	Blow Count/6"	Depth	Well Completion Diagram	Soil Group Symbol (USCS)	Surface Description / Description
						Sample ID
						SB-41 – 10' 09:00
						SB-41 – 20' 10:00
						SB-41 – 30' 10:15



Note: 2.5' sample collected on 4/15/08

URS #94 3/90

ATTACHMENT 3

(Laboratory Analytical Data Sheets)

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R08S33**
SDG: 08065A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Eric Yunker**
Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Cooper Drum March 2008 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: **Don Gruber, URS Corporation**

Analyses included in this report:

Solids, Dry Weight	TPH - Purgeable
TPH - Purgeable	

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/27/08 15:42
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
SB-40-10'	0803014-01	Solid	03/04/08 08:00	03/05/08 09:20
SB-40-20'	0803014-02	Solid	03/04/08 08:20	03/05/08 09:20
SB-40-30'	0803014-03	Solid	03/04/08 08:30	03/05/08 09:20
SB-40-GW	0803014-04	Water	03/04/08 09:00	03/05/08 09:20
SB-41-10'	0803014-06	Solid	03/04/08 09:00	03/05/08 09:20
SB-41-20'	0803014-07	Solid	03/04/08 10:00	03/05/08 09:20
SB-41-30'	0803014-08	Solid	03/04/08 10:15	03/05/08 09:20

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/27/08 15:42
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-01									Solid - Sampled: 03/04/08 08:00
Sample ID: SB-40-10'									Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline		ND	U	5.9	mg/kg dry	B8C0040	03/05/08	03/06/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene		*12.5*		*90 %*	*70-130%*	"	"	"	
Sample ID: SB-40-10'									Conventional Chemistry Parameters by APHA/EPA Methods
% Solids		87		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-02									Solid - Sampled: 03/04/08 08:20
Sample ID: SB-40-20'									Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline	RE1	ND	U	7.5	mg/kg dry	B8C0040	03/05/08	03/07/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene	RE1	*13.6*		*81 %*	*70-130%*	"	"	"	
Sample ID: SB-40-20'									Conventional Chemistry Parameters by APHA/EPA Methods
% Solids		76		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-03									Solid - Sampled: 03/04/08 08:30
Sample ID: SB-40-30'									Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline		ND	U	5.1	mg/kg dry	B8C0040	03/05/08	03/06/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene		*11.2*		*96 %*	*70-130%*	"	"	"	
Sample ID: SB-40-30'									Conventional Chemistry Parameters by APHA/EPA Methods
% Solids		86		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-04									Water - Sampled: 03/04/08 09:00
Sample ID: SB-40-GW									Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline		64		50	ug/L	B8C0051	03/07/08	03/07/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene		*136*		*109 %*	*70-130%*	"	"	"	
Lab ID: 0803014-06									Solid - Sampled: 03/04/08 09:00
Sample ID: SB-41-10'									Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline		ND	U	5.3	mg/kg dry	B8C0040	03/05/08	03/06/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene		*11.2*		*93 %*	*70-130%*	"	"	"	
Sample ID: SB-41-10'									Conventional Chemistry Parameters by APHA/EPA Methods
% Solids		84		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-07									Solid - Sampled: 03/04/08 10:00
Sample ID: SB-41-20'									Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline		ND	U	6.7	mg/kg dry	B8C0040	03/05/08	03/06/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene		*15.5*		*105 %*	*70-130%*	"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number:	R08S33	**75 Hawthorne Street**	**Reported:** 03/27/08 15:42
Project:	Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-07								Solid - Sampled: 03/04/08 10:00
Sample ID: SB-41-20'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	75		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-08								Solid - Sampled: 03/04/08 10:15
Sample ID: SB-41-30'								Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline	ND	U	5.3	mg/kg dry	B8C0040	03/05/08	03/06/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene	*12.0*		*99%*	*70-130%*	"	"	"	
Sample ID: SB-41-30'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	84		1	%	B8C0131	03/20/08	03/24/08	% calculation

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	**Site Cleanup Section 3**		**SDG:**	08065A
Project Number:	R08S33	**75 Hawthorne Street**		**Reported:**	03/27/08 15:42
Project:	Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
								Prepared: 03/05/08 Analyzed: 03/06/08		
Batch B8C0040 - 5035 BTX/TPHG - TPH - Purgeable								Purgeable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control		
Blank (B8C0040-BLK1)										
TPH as Gasoline	ND	U	5.0	mg/kg wet						
Surrogate: a,a,a-Trifluorotoluene	*12.3*			"	*12.5*		*99*	*70-130*		
LCS (B8C0040-BS1)										
TPH as Gasoline	73.1		5.0	mg/kg wet	80.0		91	70-130		
Surrogate: a,a,a-Trifluorotoluene	*12.9*			"	*12.5*		*103*	*70-130*		
Matrix Spike (B8C0040-MS1)		**Source: 0803014-07**								
TPH as Gasoline	103		7.4	mg/kg dry	106	ND	97	70-130		
Surrogate: a,a,a-Trifluorotoluene	*18.7*			"	*16.5*		*113*	*70-130*		
Matrix Spike Dup (B8C0040-MSD1)		**Source: 0803014-07**								
TPH as Gasoline	95.5		6.7	mg/kg dry	94.4	ND	101	70-130	4	25
Surrogate: a,a,a-Trifluorotoluene	*17.2*			"	*14.7*		*117*	*70-130*		
								Prepared & Analyzed: 03/07/08		
Batch B8C0051 - 5030 P&T BTX/TPHG - TPH - Purgeable								Purgeable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control		
Blank (B8C0051-BLK1)										
TPH as Gasoline	ND	U	50	ug/L						
Surrogate: a,a,a-Trifluorotoluene	*128*			"	*125*		*102*	*70-130*		
LCS (B8C0051-BS1)										
TPH as Gasoline	746		50	ug/L	800		93	70-130		
Surrogate: a,a,a-Trifluorotoluene	*141*			"	*125*		*113*	*70-130*		
Matrix Spike (B8C0051-MS1)		**Source: 0803014-04**								
TPH as Gasoline	774		50	ug/L	800	63.7	89	70-130		
Surrogate: a,a,a-Trifluorotoluene	*143*			"	*125*		*114*	*70-130*		
Matrix Spike Dup (B8C0051-MSD1)		**Source: 0803014-04**								
TPH as Gasoline	785		50	ug/L	800	63.7	90	70-130	1	25
Surrogate: a,a,a-Trifluorotoluene	*144*			"	*125*		*115*	*70-130*		
								Prepared: 03/20/08 Analyzed: 03/24/08		
Batch B8C0131 - Solids, Dry Weight (Prep) - Solids, Dry Weight								Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control		
Blank (B8C0131-BLK1)										
% Solids	ND	U	1	%						
Duplicate (B8C0131-DUP1)		**Source: 0803014-02**								
% Solids	75		1	%		76			1	20

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/27/08 15:42
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R08S33**
SDG: 08107A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Eric Yunker**
Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Cooper Drum March 2008 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: **Don Gruber, URS Corporation**

Analyses included in this report:

Solids, Dry Weight	TPH - Purgeable

United States Environmental Protection Agency
Region 9 Laboratory

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Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	Site Cleanup Section 3	SDG: 08107A
Project Number: R08S33	75 Hawthorne Street	Reported: 05/09/08 14:42
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
SB-40-2.5'	0804020-01	Solid	04/15/08 07:30	04/16/08 09:25
SB-41-2.5'	0804020-02	Solid	04/15/08 08:30	04/16/08 09:25

Insufficient sample remained after analysis to perform dry weight solids analysis. Results are reported on wet weight basis.

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/09/08 14:42
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0804020-01								Solid - Sampled: 04/15/08 07:30
Sample ID: SB-40-2.5'								Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline	ND	U	4.9	mg/kg wet	B8D0052	04/16/08	04/17/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene	*11.2*		*90%*	*70-130%*	"	"	"	
Lab ID: 0804020-02								Solid - Sampled: 04/15/08 08:30
Sample ID: SB-41-2.5'								Purgeable Petroleum Hydrocarbons by EPA Method 8015B
TPH as Gasoline	ND	U	6.1	mg/kg wet	B8D0052	04/16/08	04/17/08	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene	*15.9*		*104%*	*70-130%*	"	"	"	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
								Prepared: 04/16/08 Analyzed: 04/17/08		
Batch B8D0052 - 5035 BTX/TPHG - TPH - Purgeable								Purgeable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control		
Blank (B8D0052-BLK1)										
TPH as Gasoline	ND	U	5.0	mg/kg wet						
Surrogate: a,a,a-Trifluorotoluene	*13.4*			"	*12.5*		*107*	*70-130*		
LCS (B8D0052-BS1)										
TPH as Gasoline	80.9		5.0	mg/kg wet	80.0		101	70-130		200
Surrogate: a,a,a-Trifluorotoluene	*14.0*			"	*12.5*		*112*	*70-130*		
Matrix Spike (B8D0052-MS1)		**Source: 0804020-02**								
TPH as Gasoline	109		7.2	mg/kg wet	116	ND	95	70-130		25
Surrogate: a,a,a-Trifluorotoluene	*18.9*			"	*18.1*		*104*	*70-130*		
Matrix Spike Dup (B8D0052-MSD1)		**Source: 0804020-02**								
TPH as Gasoline	113		7.0	mg/kg wet	112	ND	101	70-130	6	25
Surrogate: a,a,a-Trifluorotoluene	*19.6*			"	*17.5*		*112*	*70-130*		

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Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/09/08 14:42
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

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Richmond, CA 94804

Subject: **Analytical Testing Results - Project R08S33**
SDG: 08107A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Eric Yunker**
Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Cooper Drum March 2008 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Don Gruber, URS Corporation

Analyses included in this report:

VOCs, solids, low level

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Region 9 Laboratory

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
SB-40-2.5'	0804020-01	Solid	04/15/08 07:30	04/16/08 09:25
SB-41-2.5'	0804020-02	Solid	04/15/08 08:30	04/16/08 09:25

Insufficient sample remained after analysis to perform dry weight solids analysis. Results are reported on wet weight basis.

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Project Manager: Eric Yunker	Site Cleanup Section 3	SDG: 08107A
Project Number: R08S33	75 Hawthorne Street	Reported: 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0804020-01									**Solid - Sampled: 04/15/08 07:30**
Sample ID: SB-40-2.5'									**Volatile Organic Compounds by EPA Method 8260B**
Dichlorodifluoromethane		ND	C3, J, Q4, U	2.5	ug/kg wet	B8D0053	04/16/08	04/22/08	8260B/SOP305
Chloromethane		ND	U	2.5	"	"	"	"	8260B/SOP305
Vinyl chloride		ND	U	2.5	"	"	"	"	8260B/SOP305
Bromomethane		ND	C3, J, Q4, U	2.5	"	"	"	"	8260B/SOP305
Chloroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
Trichlorofluoromethane		1.5	C1, C3, J, Q6	2.5	"	"	"	"	8260B/SOP305
1,1-Dichloroethene		ND	U	2.5	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
Acetone		ND	C3, J, U	20	"	"	"	"	8260B/SOP305
Carbon disulfide		ND	U	2.5	"	"	"	"	8260B/SOP305
Dichloromethane		ND	U	2.5	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene		ND	U	2.5	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)		ND	U	10	"	"	"	"	8260B/SOP305
1,1-Dichloroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether		ND	C3, J, U	10	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene		ND	U	2.5	"	"	"	"	8260B/SOP305
2-Butanone (MEK)		ND	U	20	"	"	"	"	8260B/SOP305
Chloroform		ND	U	2.5	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
Carbon tetrachloride		ND	U	2.5	"	"	"	"	8260B/SOP305
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	8260B/SOP305
Benzene		ND	U	2.5	"	"	"	"	8260B/SOP305
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether		ND	U	10	"	"	"	"	8260B/SOP305
Trichloroethene		ND	U	2.5	"	"	"	"	8260B/SOP305
1,2-Dichloropropane		ND	U	2.5	"	"	"	"	8260B/SOP305
Bromodichloromethane		ND	U	2.5	"	"	"	"	8260B/SOP305
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)		ND	C3, J, U	20	"	"	"	"	8260B/SOP305
Toluene		ND	U	2.5	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
Tetrachloroethene		3.2	J, Q6	2.5	"	"	"	"	8260B/SOP305
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	8260B/SOP305
2-Hexanone		ND	C3, J, U	20	"	"	"	"	8260B/SOP305
Chlorodibromomethane		ND	U	2.5	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	8260B/SOP305
Chlorobenzene		ND	U	2.5	"	"	"	"	8260B/SOP305
Ethylbenzene		ND	U	2.5	"	"	"	"	8260B/SOP305
m&p-Xylene		ND	U	5	"	"	"	"	8260B/SOP305
o-Xylene		ND	U	2.5	"	"	"	"	8260B/SOP305
Styrene		ND	U	2.5	"	"	"	"	8260B/SOP305

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **0804020-01**									**Solid - Sampled: 04/15/08 07:30**
Sample ID: **SB-40-2.5'**									**Volatile Organic Compounds by EPA Method 8260B**
Bromoform		ND	U	2.5	ug/kg wet	B8D0053	04/16/08	04/22/08	8260B/SOP305
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	8260B/SOP305
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene		ND	J, Q4, U	2.5	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene		ND	J, Q4, U	2.5	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene		ND	J, Q4, U	2.5	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4		*26.4*		106 %	*58-140%*	"	"	"	
Surrogate: Toluene-d8		*24.9*		100 %	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene		*23.6*		95 %	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		*23.7*		95 %	*61-150%*	"	"	"	
Lab ID: **0804020-02**									**Solid - Sampled: 04/15/08 08:30**
Sample ID: **SB-41-2.5'**									**Volatile Organic Compounds by EPA Method 8260B**
Dichlorodifluoromethane		ND	C3, J, U	3.3	ug/kg wet	B8D0053	04/16/08	04/22/08	8260B/SOP305
Chloromethane		ND	U	3.3	"	"	"	"	8260B/SOP305
Vinyl chloride		ND	U	3.3	"	"	"	"	8260B/SOP305
Bromomethane		ND	C3, J, U	3.3	"	"	"	"	8260B/SOP305
Chloroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
Trichlorofluoromethane		3	C1, C3, J	3.3	"	"	"	"	8260B/SOP305
1,1-Dichloroethene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
Acetone		ND	C3, J, U	26	"	"	"	"	8260B/SOP305
Carbon disulfide		ND	U	3.3	"	"	"	"	8260B/SOP305
Dichloromethane		ND	U	3.3	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene		ND	U	3.3	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)		ND	U	13	"	"	"	"	8260B/SOP305
1,1-Dichloroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether		ND	C3, J, U	13	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene		ND	U	3.3	"	"	"	"	8260B/SOP305
2-Butanone (MEK)		ND	U	26	"	"	"	"	8260B/SOP305
Chloroform		ND	U	3.3	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
Carbon tetrachloride		ND	U	3.3	"	"	"	"	8260B/SOP305
1,1-Dichloropropene		ND	U	3.3	"	"	"	"	8260B/SOP305
Benzene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,2-Dichloroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether		ND	U	13	"	"	"	"	8260B/SOP305
Trichloroethene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,2-Dichloropropane		ND	U	3.3	"	"	"	"	8260B/SOP305
Bromodichloromethane		ND	U	3.3	"	"	"	"	8260B/SOP305
cis-1,3-Dichloropropene		ND	U	3.3	"	"	"	"	8260B/SOP305

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Project Number: R08S33	75 Hawthorne Street	Reported: 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0804020-02									**Solid - Sampled: 04/15/08 08:30**
Sample ID: SB-41-2.5'									**Volatile Organic Compounds by EPA Method 8260B**
4-Methyl-2-pentanone (MIBK)		ND	C3, J, U	26	ug/kg wet	B8D0053	04/16/08	04/22/08	8260B/SOP305
Toluene		ND	U	3.3	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
Tetrachloroethene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,3-Dichloropropane		ND	U	3.3	"	"	"	"	8260B/SOP305
2-Hexanone		ND	C3, J, U	26	"	"	"	"	8260B/SOP305
Chlorodibromomethane		ND	U	3.3	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)		ND	U	3.3	"	"	"	"	8260B/SOP305
Chlorobenzene		ND	U	3.3	"	"	"	"	8260B/SOP305
Ethylbenzene		ND	U	3.3	"	"	"	"	8260B/SOP305
m&p-Xylene		ND	U	6.5	"	"	"	"	8260B/SOP305
o-Xylene		ND	U	3.3	"	"	"	"	8260B/SOP305
Styrene		ND	U	3.3	"	"	"	"	8260B/SOP305
Bromoform		ND	U	3.3	"	"	"	"	8260B/SOP305
1,1,2,2-Tetrachloroethane		ND	U	3.3	"	"	"	"	8260B/SOP305
1,2,3-Trichloropropane		ND	U	3.3	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene		ND	U	3.3	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane		ND	U	13	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4		*26.3*		105 %	*58-140%*	"	"	"	
Surrogate: Toluene-d8		*24.6*		98 %	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene		*25*		100 %	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		*25.9*		104 %	*61-150%*	"	"	"	

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Quality Control

Batch B8D0053 - - General VOA - VOCs, solids, low level — **Prepared: 04/16/08 Analyzed: 04/22/08**

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B8D0053-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	2.5	ug/kg wet						
Chloromethane	ND	U	2.5	"						
Vinyl chloride	ND	U	2.5	"						
Bromomethane	ND	C3, J, U	2.5	"						
Chloroethane	ND	U	2.5	"						
Trichlorofluoromethane	ND	C3, J, U	2.5	"						
1,1-Dichloroethene	ND	U	2.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	2.5	"						
Acetone	ND	C3, J, U	20	"						
Carbon disulfide	ND	U	2.5	"						
Dichloromethane	ND	U	2.5	"						
trans-1,2-Dichloroethene	ND	U	2.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	10	"						
1,1-Dichloroethane	ND	U	2.5	"						
Ethyl tert-butyl ether	ND	C3, J, U	10	"						
cis-1,2-Dichloroethene	ND	U	2.5	"						
2-Butanone (MEK)	ND	U	20	"						
Chloroform	ND	U	2.5	"						
1,1,1-Trichloroethane	ND	U	2.5	"						
Carbon tetrachloride	ND	U	2.5	"						
1,1-Dichloropropene	ND	U	2.5	"						
Benzene	ND	U	2.5	"						
1,2-Dichloroethane	ND	U	2.5	"						
tert-Amyl methyl ether	ND	U	10	"						
Trichloroethene	ND	U	2.5	"						
1,2-Dichloropropane	ND	U	2.5	"						
Bromodichloromethane	ND	U	2.5	"						
cis-1,3-Dichloropropene	ND	U	2.5	"						
4-Methyl-2-pentanone (MIBK)	ND	C3, J, U	20	"						
Toluene	ND	U	2.5	"						
trans-1,3-Dichloropropene	ND	U	2.5	"						
1,1,2-Trichloroethane	ND	U	2.5	"						
Tetrachloroethene	ND	U	2.5	"						
1,3-Dichloropropane	ND	U	2.5	"						
2-Hexanone	ND	C3, J, U	20	"						
Chlorodibromomethane	ND	U	2.5	"						
1,2-Dibromoethane (EDB)	ND	U	2.5	"						
Chlorobenzene	ND	U	2.5	"						
Ethylbenzene	ND	U	2.5	"						
m&p-Xylene	ND	U	5	"						
o-Xylene	ND	U	2.5	"						

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Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B8D0053 - - General VOA - VOCs, solids, low level									**Prepared: 04/16/08 Analyzed: 04/22/08**	
									Volatile Organic Compounds by EPA Method 8260B - Quality Control	
Blank (B8D0053-BLK1)										
Styrene	ND	U	2.5	"						
Bromoform	ND	U	2.5	"						
1,1,2,2-Tetrachloroethane	ND	U	2.5	"						
1,2,3-Trichloropropane	ND	U	2.5	"						
1,3-Dichlorobenzene	ND	U	2.5	"						
1,4-Dichlorobenzene	ND	U	2.5	"						
1,2-Dichlorobenzene	ND	U	2.5	"						
1,2-Dibromo-3-chloropropane	ND	U	10	"						
Surrogate: 1,2-Dichloroethane-d4	*25.4*			"	*25.0*		102	*58-140*		
Surrogate: Toluene-d8	*24.6*			"	*25.0*		98	*50-160*		
Surrogate: 4-Bromofluorobenzene	*24.1*			"	*25.0*		96	*52-150*		
Surrogate: 1,2-Dichlorobenzene-d4	*25.0*			"	*25.0*		100	*61-150*		
LCS (B8D0053-BS1)										
Dichlorodifluoromethane	34		2.5	ug/kg wet	25.0		136	0.01-190		200
Chloromethane	28.8		2.5	"	25.0		115	48-160		200
Vinyl chloride	28.6		2.5	"	25.0		114	59-150		200
Bromomethane	32.7		2.5	"	25.0		131	49-160		200
Chloroethane	28		2.5	"	25.0		112	63-140		200
Trichlorofluoromethane	30.3		2.5	"	25.0		121	34-180		200
1,1-Dichloroethene	24.6		2.5	"	25.0		98	70-120		200
1,1,2-Trichloro-1,2,2-trifluoroethane	27.9		2.5	"	25.0		112	61-140		200
Acetone	220		20	"	200		110	30-180		200
Dichloromethane	25.7		2.5	"	25.0		103	65-120		200
trans-1,2-Dichloroethene	26.4		2.5	"	25.0		105	69-130		200
tert-Butyl methyl ether (MTBE)	110		10	"	100		110	54-150		200
1,1-Dichloroethane	25.6		2.5	"	25.0		102	72-130		200
cis-1,2-Dichloroethene	25.9		2.5	"	25.0		103	73-140		200
2-Butanone (MEK)	231		20	"	200		116	58-154		200
Chloroform	26.3		2.5	"	25.0		105	72-130		200
1,1,1-Trichloroethane	26.3		2.5	"	25.0		105	73-130		200
Carbon tetrachloride	26.8		2.5	"	25.0		107	61-140		200
1,1-Dichloropropene	26.8		2.5	"	25.0		107	76-120		200
Benzene	25.8		2.5	"	25.0		103	79-120		200
1,2-Dichloroethane	25.7		2.5	"	25.0		103	77-130		200
Trichloroethene	26.1		2.5	"	25.0		104	73-140		200
1,2-Dichloropropane	25.7		2.5	"	25.0		103	84-120		200
Bromodichloromethane	26.7		2.5	"	25.0		107	82-130		200
cis-1,3-Dichloropropene	26.2		2.5	"	25.0		105	88-130		200
4-Methyl-2-pentanone (MIBK)	223		20	"	200		111	81-140		200

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B8D0053 - - General VOA - VOCs, solids, low level									**Prepared: 04/16/08 Analyzed: 04/22/08**	
									Volatile Organic Compounds by EPA Method 8260B - Quality Control	
LCS (B8D0053-BS1)										
Toluene	25.6		2.5	"	25.0		102	76-120		200
trans-1,3-Dichloropropene	26.1		2.5	"	25.0		105	84-140		200
1,1,2-Trichloroethane	25.3		2.5	"	25.0		101	82-130		200
Tetrachloroethene	26.2		2.5	"	25.0		105	79-130		200
1,3-Dichloropropane	25.1		2.5	"	25.0		101	85-120		200
2-Hexanone	227		20	"	200		113	67-150		200
Chlorodibromomethane	26.5		2.5	"	25.0		106	80-140		200
1,2-Dibromoethane (EDB)	25.7		2.5	"	25.0		103	84-130		200
Chlorobenzene	25.8		2.5	"	25.0		103	78-123		200
Ethylbenzene	26.1		2.5	"	25.0		104	78-120		200
m&p-Xylene	50.8		5	"	50.0		102	74-130		200
o-Xylene	26.2		2.5	"	25.0		105	78-130		200
Styrene	28		2.5	"	25.0		112	73-140		200
Bromoform	26.9		2.5	"	25.0		108	70-140		200
1,1,2,2-Tetrachloroethane	25.4		2.5	"	25.0		102	75-130		200
1,2,3-Trichloropropane	25		2.5	"	25.0		100	78-130		200
1,3-Dichlorobenzene	26.1		2.5	"	25.0		104	76-130		200
1,4-Dichlorobenzene	25.7		2.5	"	25.0		103	76-120		200
1,2-Dichlorobenzene	26.3		2.5	"	25.0		105	76-130		200
1,2-Dibromo-3-chloropropane	26.1		10	"	25.0		104	39-180		200
Surrogate: 1,2-Dichloroethane-d4		*25.0*		"	*25.0*		100	*58-140*		
Surrogate: Toluene-d8		*24.8*		"	*25.0*		99	*50-160*		
Surrogate: 4-Bromofluorobenzene		*25.0*		"	*25.0*		100	*52-150*		
Surrogate: 1,2-Dichlorobenzene-d4		*24.9*		"	*25.0*		99	*61-150*		
Matrix Spike (B8D0053-MS1)		**Source: 0804020-01**								
Dichlorodifluoromethane	14.1		2.5	ug/kg wet	24.8	ND	**57**	70-130		20
Chloromethane	17.3		2.5	"	24.8	ND	70	70-130		20
Vinyl chloride	17.3		2.5	"	24.8	ND	70	70-130		20
Bromomethane	16.8		2.5	"	24.8	ND	**68**	70-130		20
Chloroethane	18.4		2.5	"	24.8	ND	74	70-130		20
Trichlorofluoromethane	20		2.5	"	24.8	1.54	74	70-130		20
1,1-Dichloroethene	19.6		2.5	"	24.8	ND	79	70-130		20
1,1,2-Trichloro-1,2,2-trifluoroethane	19.1		2.5	"	24.8	ND	77	70-130		20
Acetone	213		20	"	198	ND	107	70-130		20
Dichloromethane	19.2		2.5	"	24.8	ND	77	70-130		20
trans-1,2-Dichloroethene	18.8		2.5	"	24.8	ND	76	70-130		20
tert-Butyl methyl ether (MTBE)	82.2		10	"	99.2	ND	83	70-130		20
1,1-Dichloroethane	19		2.5	"	24.8	ND	77	70-130		20
cis-1,2-Dichloroethene	19.1		2.5	"	24.8	ND	77	70-130		20

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Batch B8D0053 - - General VOA - VOCs, solids, low level — **Prepared: 04/16/08 Analyzed: 04/22/08**

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B8D0053-MS1)		**Source: 0804020-01**								
2-Butanone (MEK)	188		20	"	198	ND	95	70-130		20
Chloroform	19.6		2.5	"	24.8	ND	79	70-130		20
1,1,1-Trichloroethane	21.5		2.5	"	24.8	ND	87	70-130		20
Carbon tetrachloride	20.9		2.5	"	24.8	ND	84	70-130		20
1,1-Dichloropropene	20.6		2.5	"	24.8	ND	83	70-130		20
Benzene	20.6		2.5	"	24.8	ND	83	70-130		20
1,2-Dichloroethane	22.3		2.5	"	24.8	ND	90	70-130		20
Trichloroethene	20.7		2.5	"	24.8	ND	83	70-130		20
1,2-Dichloropropane	20.9		2.5	"	24.8	ND	84	70-130		20
Bromodichloromethane	21.2		2.5	"	24.8	ND	85	70-130		20
cis-1,3-Dichloropropene	20.5		2.5	"	24.8	ND	83	70-130		20
4-Methyl-2-pentanone (MIBK)	195		20	"	198	ND	98	70-130		20
Toluene	19.9		2.5	"	24.8	ND	80	70-130		20
trans-1,3-Dichloropropene	20.3		2.5	"	24.8	ND	82	70-130		20
1,1,2-Trichloroethane	21.1		2.5	"	24.8	ND	85	70-130		20
Tetrachloroethene	22		2.5	"	24.8	3.17	76	70-130		20
1,3-Dichloropropane	20.9		2.5	"	24.8	ND	84	70-130		20
2-Hexanone	197		20	"	198	ND	99	70-130		20
Chlorodibromomethane	20.1		2.5	"	24.8	ND	81	70-130		20
1,2-Dibromoethane (EDB)	20.5		2.5	"	24.8	ND	83	70-130		20
Chlorobenzene	19		2.5	"	24.8	ND	77	70-130		20
Ethylbenzene	19.4		2.5	"	24.8	ND	78	70-130		20
m&p-Xylene	37.2		5	"	49.6	ND	75	70-130		20
o-Xylene	19.1		2.5	"	24.8	ND	77	70-130		20
Styrene	18.5		2.5	"	24.8	ND	75	70-130		20
Bromoform	19.1		2.5	"	24.8	ND	77	70-130		20
1,1,2,2-Tetrachloroethane	20.1		2.5	"	24.8	ND	81	70-130		20
1,2,3-Trichloropropane	20.2		2.5	"	24.8	ND	82	70-130		20
1,3-Dichlorobenzene	16.5		2.5	"	24.8	ND	**66**	70-130		20
1,4-Dichlorobenzene	16.8		2.5	"	24.8	ND	**68**	70-130		20
1,2-Dichlorobenzene	16.4		2.5	"	24.8	ND	**66**	70-130		20
1,2-Dibromo-3-chloropropane	81.2		10	"	99.2	ND	82	70-130		20
Surrogate: 1,2-Dichloroethane-d4	*27.0*			"	*25.0*		108	*58-140*		
Surrogate: Toluene-d8	*24.9*			"	*25.0*		100	*50-160*		
Surrogate: 4-Bromofluorobenzene	*24.9*			"	*25.0*		100	*52-150*		
Surrogate: 1,2-Dichlorobenzene-d4	*25.2*			"	*25.0*		101	*61-150*		
Matrix Spike Dup (B8D0053-MSD1)		**Source: 0804020-01**								
Dichlorodifluoromethane	18.1		2.6	ug/kg wet	26.4	ND	**69**	70-130	19	20
Chloromethane	21.6		2.6	"	26.4	ND	82	70-130	16	20

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Batch B8D0053 - - General VOA - VOCs, solids, low level — **Prepared: 04/16/08 Analyzed: 04/22/08**

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B8D0053-MSD1)		**Source: 0804020-01**								
Vinyl chloride	21.6		2.6	"	26.4	ND	82	70-130	16	20
Bromomethane	22.9		2.6	"	26.4	ND	87	70-130	**24**	20
Chloroethane	22.5		2.6	"	26.4	ND	85	70-130	14	20
Trichlorofluoromethane	25.7		2.6	"	26.4	1.54	92	70-130	**21**	20
1,1-Dichloroethene	23.3		2.6	"	26.4	ND	88	70-130	12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	24.1		2.6	"	26.4	ND	91	70-130	17	20
Acetone	238		21	"	211	ND	113	70-130	5	20
Dichloromethane	22.3		2.6	"	26.4	ND	85	70-130	9	20
trans-1,2-Dichloroethene	22.6		2.6	"	26.4	ND	86	70-130	12	20
tert-Butyl methyl ether (MTBE)	93.1		11	"	105	ND	88	70-130	6	20
1,1-Dichloroethane	22.5		2.6	"	26.4	ND	85	70-130	11	20
cis-1,2-Dichloroethene	22.3		2.6	"	26.4	ND	84	70-130	9	20
2-Butanone (MEK)	213		21	"	211	ND	101	70-130	7	20
Chloroform	22.9		2.6	"	26.4	ND	87	70-130	10	20
1,1,1-Trichloroethane	26.5		2.6	"	26.4	ND	100	70-130	15	20
Carbon tetrachloride	26.4		2.6	"	26.4	ND	100	70-130	17	20
1,1-Dichloropropene	25.7		2.6	"	26.4	ND	98	70-130	16	20
Benzene	24.8		2.6	"	26.4	ND	94	70-130	12	20
1,2-Dichloroethane	25.4		2.6	"	26.4	ND	96	70-130	7	20
Trichloroethene	25.3		2.6	"	26.4	ND	96	70-130	14	20
1,2-Dichloropropane	24.5		2.6	"	26.4	ND	93	70-130	10	20
Bromodichloromethane	25.2		2.6	"	26.4	ND	96	70-130	11	20
cis-1,3-Dichloropropene	24.1		2.6	"	26.4	ND	91	70-130	10	20
4-Methyl-2-pentanone (MIBK)	224		21	"	211	ND	106	70-130	8	20
Toluene	24.3		2.6	"	26.4	ND	92	70-130	14	20
trans-1,3-Dichloropropene	23.7		2.6	"	26.4	ND	90	70-130	10	20
1,1,2-Trichloroethane	24.1		2.6	"	26.4	ND	91	70-130	7	20
Tetrachloroethene	28.6		2.6	"	26.4	3.17	96	70-130	**24**	20
1,3-Dichloropropane	23.8		2.6	"	26.4	ND	90	70-130	7	20
2-Hexanone	225		21	"	211	ND	107	70-130	7	20
Chlorodibromomethane	23.8		2.6	"	26.4	ND	90	70-130	11	20
1,2-Dibromoethane (EDB)	24		2.6	"	26.4	ND	91	70-130	10	20
Chlorobenzene	23.4		2.6	"	26.4	ND	89	70-130	15	20
Ethylbenzene	24.5		2.6	"	26.4	ND	93	70-130	17	20
m&p-Xylene	47.3		5.3	"	52.7	ND	90	70-130	18	20
o-Xylene	24.1		2.6	"	26.4	ND	92	70-130	17	20
Styrene	23.1		2.6	"	26.4	ND	88	70-130	16	20
Bromoform	22.7		2.6	"	26.4	ND	86	70-130	11	20
1,1,2,2-Tetrachloroethane	23.4		2.6	"	26.4	ND	89	70-130	9	20
1,2,3-Trichloropropane	23.9		2.6	"	26.4	ND	91	70-130	11	20
1,3-Dichlorobenzene	21.4		2.6	"	26.4	ND	81	70-130	20	20
1,4-Dichlorobenzene	21.4		2.6	"	26.4	ND	81	70-130	18	20

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08107A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B8D0053 - - General VOA - VOCs, solids, low level									**Prepared: 04/16/08 Analyzed: 04/22/08**	
								Volatile Organic Compounds by EPA Method 8260B - Quality Control		
Matrix Spike Dup (B8D0053-MSD1)		**Source: 0804020-01**								
1,2-Dichlorobenzene	21		2.6	"	26.4	ND	80	70-130	18	20
1,2-Dibromo-3-chloropropane	95.8		11	"	105	ND	91	70-130	10	20
Surrogate: 1,2-Dichloroethane-d4	*26.9*			"	*25.0*		108	*58-140*		
Surrogate: Toluene-d8	*24.8*			"	*25.0*		99	*50-160*		
Surrogate: 4-Bromofluorobenzene	*24.9*			"	*25.0*		100	*52-150*		
Surrogate: 1,2-Dichlorobenzene-d4	*25.6*			"	*25.0*		102	*61-150*		

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Project Manager: Eric Yunker	Site Cleanup Section 3	SDG: 08107A
Project Number: R08S33	75 Hawthorne Street	Reported: 05/13/08 10:28
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Qualifiers and Comments

Q6 Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

J The reported result for this analyte should be considered an estimated value.

C3 The initial calibration for this analyte did not meet calibration criteria.

C1 The reported concentration for this analyte is below the quantitation limit.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R08S33**
SDG: 08065A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Eric Yunker**
Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Cooper Drum March 2008 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: **Don Gruber, URS Corporation**

Analyses included in this report:

Solids, Dry Weight	VOCs
VOCs, solids, low level	

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
SB-40-10'	0803014-01	Solid	03/04/08 08:00	03/05/08 09:20
SB-40-20'	0803014-02	Solid	03/04/08 08:20	03/05/08 09:20
SB-40-30'	0803014-03	Solid	03/04/08 08:30	03/05/08 09:20
SB-40-GW	0803014-04	Water	03/04/08 09:00	03/05/08 09:20
TRIP BLANK	0803014-05	Water	03/04/08 09:00	03/05/08 09:20
SB-41-10'	0803014-06	Solid	03/04/08 09:00	03/05/08 09:20
SB-41-20'	0803014-07	Solid	03/04/08 10:00	03/05/08 09:20
SB-41-30'	0803014-08	Solid	03/04/08 10:15	03/05/08 09:20

The laboratory did not receive a sufficient volume of sample to perform the matrix specific quality control testing (i.e., matrix spike/matrix spike duplicate) for the volatile organic compound analysis in soil. Double the typical single sample volume is required for MS/MSD analysis.

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Project Manager: Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number: R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-01								Solid - Sampled: 03/04/08 08:00
Sample ID: SB-40-10'								Volatile Organic Compounds by EPA Method 8260B
Dichlorodifluoromethane	ND	U	2.6	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Chloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Vinyl chloride	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromomethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
Chloroethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
Trichlorofluoromethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
1,1-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Acetone	ND	C3, J, U	20	"	"	"	"	8260B/SOP305
Carbon disulfide	ND	U	2.6	"	"	"	"	8260B/SOP305
Dichloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)	ND	U	10	"	"	"	"	8260B/SOP305
1,1-Dichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether	ND	U	10	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
2-Butanone (MEK)	ND	U	20	"	"	"	"	8260B/SOP305
Chloroform	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Carbon tetrachloride	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1-Dichloropropene	ND	U	2.6	"	"	"	"	8260B/SOP305
Benzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether	ND	U	10	"	"	"	"	8260B/SOP305
Trichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromodichloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
cis-1,3-Dichloropropene	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)	ND	U	20	"	"	"	"	8260B/SOP305
Toluene	ND	U	2.6	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Tetrachloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,3-Dichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
2-Hexanone	ND	U	20	"	"	"	"	8260B/SOP305
Chlorodibromomethane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)	ND	U	2.6	"	"	"	"	8260B/SOP305
Chlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
Ethylbenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
m&p-Xylene	ND	U	5.1	"	"	"	"	8260B/SOP305
o-Xylene	ND	U	2.6	"	"	"	"	8260B/SOP305
Styrene	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromoform	ND	U	2.6	"	"	"	"	8260B/SOP305

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-01								Solid - Sampled: 03/04/08 08:00
Sample ID: SB-40-10'								Volatile Organic Compounds by EPA Method 8260B
1,1,2,2-Tetrachloroethane	ND	U	2.6	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
1,2,3-Trichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane	ND	U	10	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4	*31.1*		*121 %*	*58-140%*	"	"	"	
Surrogate: Toluene-d8	*23.2*		*91 %*	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*20.5*		*80 %*	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*25.9*		*101 %*	*61-150%*	"	"	"	
Sample ID: SB-40-10'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	87		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-02								Solid - Sampled: 03/04/08 08:20
Sample ID: SB-40-20'								Volatile Organic Compounds by EPA Method 8260B
Dichlorodifluoromethane	ND	U	3.7	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Chloromethane	ND	U	3.7	"	"	"	"	8260B/SOP305
Vinyl chloride	ND	U	3.7	"	"	"	"	8260B/SOP305
Bromomethane	ND	C3, J, U	3.7	"	"	"	"	8260B/SOP305
Chloroethane	ND	C3, J, U	3.7	"	"	"	"	8260B/SOP305
Trichlorofluoromethane	ND	C3, J, U	3.7	"	"	"	"	8260B/SOP305
1,1-Dichloroethene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	3.7	"	"	"	"	8260B/SOP305
Acetone	ND	C3, J, U	30	"	"	"	"	8260B/SOP305
Carbon disulfide	ND	U	3.7	"	"	"	"	8260B/SOP305
Dichloromethane	ND	U	3.7	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene	ND	U	3.7	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)	ND	U	15	"	"	"	"	8260B/SOP305
1,1-Dichloroethane	ND	U	3.7	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether	ND	U	15	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene	ND	U	3.7	"	"	"	"	8260B/SOP305
2-Butanone (MEK)	ND	U	30	"	"	"	"	8260B/SOP305
Chloroform	ND	U	3.7	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane	ND	U	3.7	"	"	"	"	8260B/SOP305
Carbon tetrachloride	ND	U	3.7	"	"	"	"	8260B/SOP305
1,1-Dichloropropene	ND	U	3.7	"	"	"	"	8260B/SOP305
Benzene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,2-Dichloroethane	ND	U	3.7	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether	ND	U	15	"	"	"	"	8260B/SOP305
Trichloroethene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,2-Dichloropropane	ND	U	3.7	"	"	"	"	8260B/SOP305

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number:	R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-02								Solid - Sampled: 03/04/08 08:20
Sample ID: SB-40-20'								Volatile Organic Compounds by EPA Method 8260B
Bromodichloromethane	ND	U	3.7	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
cis-1,3-Dichloropropene	ND	C3, J, U	3.7	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)	ND	U	30	"	"	"	"	8260B/SOP305
Toluene	ND	U	3.7	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane	ND	U	3.7	"	"	"	"	8260B/SOP305
Tetrachloroethene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,3-Dichloropropane	ND	U	3.7	"	"	"	"	8260B/SOP305
2-Hexanone	ND	U	30	"	"	"	"	8260B/SOP305
Chlorodibromomethane	ND	U	3.7	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)	ND	U	3.7	"	"	"	"	8260B/SOP305
Chlorobenzene	ND	U	3.7	"	"	"	"	8260B/SOP305
Ethylbenzene	ND	U	3.7	"	"	"	"	8260B/SOP305
m&p-Xylene	ND	U	7.5	"	"	"	"	8260B/SOP305
o-Xylene	ND	U	3.7	"	"	"	"	8260B/SOP305
Styrene	ND	U	3.7	"	"	"	"	8260B/SOP305
Bromoform	ND	U	3.7	"	"	"	"	8260B/SOP305
1,1,2,2-Tetrachloroethane	ND	U	3.7	"	"	"	"	8260B/SOP305
1,2,3-Trichloropropane	ND	U	3.7	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene	ND	U	3.7	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane	ND	U	15	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4	*45.2*		*121 %*	*58-140%*	"	"	"	
Surrogate: Toluene-d8	*34.1*		*91 %*	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*29.4*		*78 %*	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*37.8*		*101 %*	*61-150%*	"	"	"	
Sample ID: SB-40-20'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	76		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-03								Solid - Sampled: 03/04/08 08:30
Sample ID: SB-40-30'								Volatile Organic Compounds by EPA Method 8260B
Dichlorodifluoromethane	ND	U	2.6	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Chloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Vinyl chloride	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromomethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
Chloroethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
Trichlorofluoromethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
1,1-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Acetone	ND	C3, J, U	21	"	"	"	"	8260B/SOP305

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number:	R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Lab ID: 0803014-03 — Solid - Sampled: 03/04/08 08:30

Sample ID: SB-40-30' — Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Carbon disulfide	ND	U	2.6	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Dichloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)	ND	U	10	"	"	"	"	8260B/SOP305
1,1-Dichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether	ND	U	10	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
2-Butanone (MEK)	ND	U	21	"	"	"	"	8260B/SOP305
Chloroform	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Carbon tetrachloride	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1-Dichloropropene	ND	U	2.6	"	"	"	"	8260B/SOP305
Benzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether	ND	U	10	"	"	"	"	8260B/SOP305
Trichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromodichloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
cis-1,3-Dichloropropene	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)	ND	U	21	"	"	"	"	8260B/SOP305
Toluene	ND	U	2.6	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Tetrachloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,3-Dichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
2-Hexanone	ND	U	21	"	"	"	"	8260B/SOP305
Chlorodibromomethane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)	ND	U	2.6	"	"	"	"	8260B/SOP305
Chlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
Ethylbenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
m&p-Xylene	ND	U	5.2	"	"	"	"	8260B/SOP305
o-Xylene	ND	U	2.6	"	"	"	"	8260B/SOP305
Styrene	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromoform	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2,2-Tetrachloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2,3-Trichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane	ND	U	10	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4	*31.8*		*123 %*	*58-140%*	"	"	"	
Surrogate: Toluene-d8	*23.4*		*91 %*	*50-160%*	"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number:	R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-03								Solid - Sampled: 03/04/08 08:30
Sample ID: SB-40-30'								Volatile Organic Compounds by EPA Method 8260B
Surrogate: 4-Bromofluorobenzene	*20.4*		*79 %*	*52-150%*	*B8C0042*	*03/05/08*	*03/06/08*	
Surrogate: 1,2-Dichlorobenzene-d4	*26.2*		*102 %*	*61-150%*	*"*	*"*	*"*	
Sample ID: SB-40-30'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	**86**		**1**	**%**	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-04								Water - Sampled: 03/04/08 09:00
Sample ID: SB-40-GW								Volatile Organic Compounds by EPA Method 524.2
Dichlorodifluoromethane	**ND**	**U**	**0.5**	ug/L	B8C0060	03/07/08	03/10/08	524.2/SOP354
Chloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Vinyl chloride	**0.7**		**0.5**	"	"	"	"	524.2/SOP354
Bromomethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Trichlorofluoromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1-Dichloroethene	**1.0**		**0.5**	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Acetone	**7.3**		**4.0**	"	"	"	"	524.2/SOP354
Dichloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
trans-1,2-Dichloroethene	**0.3**	**C1, J**	**0.5**	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)	**ND**	**U**	**2.0**	"	"	"	"	524.2/SOP354
1,1-Dichloroethane	**8.0**		**0.5**	"	"	"	"	524.2/SOP354
2,2-Dichloropropane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
cis-1,2-Dichloroethene	**3.9**		**0.5**	"	"	"	"	524.2/SOP354
2-Butanone (MEK)	**ND**	**U**	**4.0**	"	"	"	"	524.2/SOP354
Bromochloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chloroform	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Carbon tetrachloride	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1-Dichloropropene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Benzene	**0.7**		**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichloroethane	**14**		**0.5**	"	"	"	"	524.2/SOP354
Trichloroethene	**8.1**		**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichloropropane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Dibromomethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromodichloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Toluene	**0.4**	**C1, J**	**0.5**	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Tetrachloroethene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,3-Dichloropropane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chlorodibromomethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Eric Yunker	Site Cleanup Section 3		SDG:	08065A
Project Number:	R08S33	75 Hawthorne Street		Reported:	04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	San Francisco CA, 94105			

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-04								Water - Sampled: 03/04/08 09:00
Sample ID: SB-40-GW								Volatile Organic Compounds by EPA Method 524.2
Chlorobenzene	0.4	C1, J	0.5	ug/L	B8C0060	03/07/08	03/10/08	524.2/SOP354
1,1,1,2-Tetrachloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Ethylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
m&p-Xylene	ND	U	1.0	"	"	"	"	524.2/SOP354
o-Xylene	ND	U	0.5	"	"	"	"	524.2/SOP354
Styrene	ND	U	0.5	"	"	"	"	524.2/SOP354
Bromoform	ND	U	0.5	"	"	"	"	524.2/SOP354
Isopropylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Bromobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,2,2-Tetrachloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2,3-Trichloropropane	ND	U	0.5	"	"	"	"	524.2/SOP354
Propylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
2-Chlorotoluene	ND	U	0.5	"	"	"	"	524.2/SOP354
4-Chlorotoluene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,3,5-Trimethylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
tert-Butylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2,4-Trimethylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
sec-Butylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,3-Dichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
p-Isopropyltoluene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,4-Dichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Butylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dibromo-3-chloropropane	ND	U	2.0	"	"	"	"	524.2/SOP354
1,2,4-Trichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Hexachlorobutadiene	ND	U	0.5	"	"	"	"	524.2/SOP354
Naphthalene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2,3-Trichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Butadiene	3.1	N TIC, J		"	"	"	"	524.2/SOP354
Butene	1.7	N TIC, J		"	"	"	"	524.2/SOP354
Ethane, dichloro-trifluo	2.6	N TIC, J		"	"	"	"	524.2/SOP354
Nonanal	1.3	N TIC, J		"	"	"	"	524.2/SOP354
Pentene	2.3	N TIC, J		"	"	"	"	524.2/SOP354
Pentene, methyl-	1.1	N TIC, J		"	"	"	"	524.2/SOP354
Propene	17	N TIC, J		"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4	*5.60*		*112%*	*76-130%*	"	"	"	
Surrogate: Toluene-d8	*4.75*		*95%*	*83-120%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*4.69*		*94%*	*74-110%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*5.00*		*100%*	*69-120%*	"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number: R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-05								Water - Sampled: 03/04/08 09:00
Sample ID: TRIP BLANK								Volatile Organic Compounds by EPA Method 524.2
Dichlorodifluoromethane	ND	U	0.5	ug/L	B8C0060	03/07/08	03/10/08	524.2/SOP354
Chloromethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Vinyl chloride	ND	U	0.5	"	"	"	"	524.2/SOP354
Bromomethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Chloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Trichlorofluoromethane	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1-Dichloroethene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Acetone	ND	U	4.0	"	"	"	"	524.2/SOP354
Dichloromethane	ND	U	0.5	"	"	"	"	524.2/SOP354
trans-1,2-Dichloroethene	ND	U	0.5	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)	ND	U	2.0	"	"	"	"	524.2/SOP354
1,1-Dichloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
2,2-Dichloropropane	ND	U	0.5	"	"	"	"	524.2/SOP354
cis-1,2-Dichloroethene	ND	U	0.5	"	"	"	"	524.2/SOP354
2-Butanone (MEK)	ND	U	4.0	"	"	"	"	524.2/SOP354
Bromochloromethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Chloroform	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Carbon tetrachloride	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
Benzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dichloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Trichloroethene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dichloropropane	ND	U	0.5	"	"	"	"	524.2/SOP354
Dibromomethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Bromodichloromethane	ND	U	0.5	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
Toluene	ND	U	0.5	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Tetrachloroethene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,3-Dichloropropane	ND	U	0.5	"	"	"	"	524.2/SOP354
Chlorodibromomethane	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)	ND	U	0.5	"	"	"	"	524.2/SOP354
Chlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,1,2-Tetrachloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
Ethylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
m&p-Xylene	ND	U	1.0	"	"	"	"	524.2/SOP354
o-Xylene	ND	U	0.5	"	"	"	"	524.2/SOP354
Styrene	ND	U	0.5	"	"	"	"	524.2/SOP354
Bromoform	ND	U	0.5	"	"	"	"	524.2/SOP354
Isopropylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-05								Water - Sampled: 03/04/08 09:00
Sample ID: TRIP BLANK								Volatile Organic Compounds by EPA Method 524.2
Bromobenzene	ND	U	0.5	ug/L	B8C0060	03/07/08	03/10/08	524.2/SOP354
1,1,2,2-Tetrachloroethane	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2,3-Trichloropropane	ND	U	0.5	"	"	"	"	524.2/SOP354
Propylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
2-Chlorotoluene	ND	U	0.5	"	"	"	"	524.2/SOP354
4-Chlorotoluene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,3,5-Trimethylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
tert-Butylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2,4-Trimethylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
sec-Butylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,3-Dichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
p-Isopropyltoluene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,4-Dichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Butylbenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dibromo-3-chloropropane	ND	U	2.0	"	"	"	"	524.2/SOP354
1,2,4-Trichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Hexachlorobutadiene	ND	U	0.5	"	"	"	"	524.2/SOP354
Naphthalene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2,3-Trichlorobenzene	ND	U	0.5	"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4	*5.52*		*110%*	*76-130%*	"	"	"	
Surrogate: Toluene-d8	*4.73*		*95%*	*83-120%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*4.56*		*91%*	*74-110%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*4.95*		*99%*	*69-120%*	"	"	"	
Lab ID: 0803014-06								Solid - Sampled: 03/04/08 09:00
Sample ID: SB-41-10'								Volatile Organic Compounds by EPA Method 8260B
Dichlorodifluoromethane	ND	U	2.4	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Chloromethane	ND	U	2.4	"	"	"	"	8260B/SOP305
Vinyl chloride	ND	U	2.4	"	"	"	"	8260B/SOP305
Bromomethane	ND	C3, J, U	2.4	"	"	"	"	8260B/SOP305
Chloroethane	ND	C3, J, U	2.4	"	"	"	"	8260B/SOP305
Trichlorofluoromethane	ND	C3, J, U	2.4	"	"	"	"	8260B/SOP305
1,1-Dichloroethene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	2.4	"	"	"	"	8260B/SOP305
Acetone	ND	C3, J, U	19	"	"	"	"	8260B/SOP305
Carbon disulfide	ND	U	2.4	"	"	"	"	8260B/SOP305
Dichloromethane	ND	U	2.4	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene	ND	U	2.4	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)	ND	U	9.7	"	"	"	"	8260B/SOP305
1,1-Dichloroethane	ND	U	2.4	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether	ND	U	9.7	"	"	"	"	8260B/SOP305

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number: R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-06								Solid - Sampled: 03/04/08 09:00
Sample ID: SB-41-10'								Volatile Organic Compounds by EPA Method 8260B
cis-1,2-Dichloroethene	ND	U	2.4	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
2-Butanone (MEK)	ND	U	19	"	"	"	"	8260B/SOP305
Chloroform	ND	U	2.4	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane	ND	U	2.4	"	"	"	"	8260B/SOP305
Carbon tetrachloride	ND	U	2.4	"	"	"	"	8260B/SOP305
1,1-Dichloropropene	ND	U	2.4	"	"	"	"	8260B/SOP305
Benzene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,2-Dichloroethane	ND	U	2.4	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether	ND	U	9.7	"	"	"	"	8260B/SOP305
Trichloroethene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,2-Dichloropropane	ND	U	2.4	"	"	"	"	8260B/SOP305
Bromodichloromethane	ND	U	2.4	"	"	"	"	8260B/SOP305
cis-1,3-Dichloropropene	ND	C3, J, U	2.4	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)	ND	U	19	"	"	"	"	8260B/SOP305
Toluene	ND	U	2.4	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane	ND	U	2.4	"	"	"	"	8260B/SOP305
Tetrachloroethene	4.3		2.4	"	"	"	"	8260B/SOP305
1,3-Dichloropropane	ND	U	2.4	"	"	"	"	8260B/SOP305
2-Hexanone	ND	U	19	"	"	"	"	8260B/SOP305
Chlorodibromomethane	ND	U	2.4	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)	ND	U	2.4	"	"	"	"	8260B/SOP305
Chlorobenzene	ND	U	2.4	"	"	"	"	8260B/SOP305
Ethylbenzene	ND	U	2.4	"	"	"	"	8260B/SOP305
m&p-Xylene	ND	U	4.8	"	"	"	"	8260B/SOP305
o-Xylene	ND	U	2.4	"	"	"	"	8260B/SOP305
Styrene	ND	U	2.4	"	"	"	"	8260B/SOP305
Bromoform	ND	U	2.4	"	"	"	"	8260B/SOP305
1,1,2,2-Tetrachloroethane	ND	U	2.4	"	"	"	"	8260B/SOP305
1,2,3-Trichloropropane	ND	U	2.4	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene	ND	U	2.4	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane	ND	U	9.7	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4	*27.3*		*113 %*	*58-140%*	"	"	"	
Surrogate: Toluene-d8	*22.0*		*91 %*	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*20.2*		*84 %*	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*22.4*		*93 %*	*61-150%*	"	"	"	
Sample ID: SB-41-10'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	84		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-07								Solid - Sampled: 03/04/08 10:00

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	Site Cleanup Section 3		SDG:	08065A
Project Number:	R08S33	75 Hawthorne Street		Reported:	04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	San Francisco CA, 94105			

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-07								Solid - Sampled: 03/04/08 10:00
Sample ID: SB-41-20'								Volatile Organic Compounds by EPA Method 8260B
Dichlorodifluoromethane	ND	U	3.1	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Chloromethane	ND	U	3.1	"	"	"	"	8260B/SOP305
Vinyl chloride	ND	U	3.1	"	"	"	"	8260B/SOP305
Bromomethane	ND	C3, J, U	3.1	"	"	"	"	8260B/SOP305
Chloroethane	ND	C3, J, U	3.1	"	"	"	"	8260B/SOP305
Trichlorofluoromethane	ND	C3, J, U	3.1	"	"	"	"	8260B/SOP305
1,1-Dichloroethene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	3.1	"	"	"	"	8260B/SOP305
Acetone	ND	C3, J, U	24	"	"	"	"	8260B/SOP305
Carbon disulfide	ND	U	3.1	"	"	"	"	8260B/SOP305
Dichloromethane	ND	U	3.1	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene	ND	U	3.1	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)	ND	U	12	"	"	"	"	8260B/SOP305
1,1-Dichloroethane	ND	U	3.1	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether	ND	U	12	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene	ND	U	3.1	"	"	"	"	8260B/SOP305
2-Butanone (MEK)	ND	U	24	"	"	"	"	8260B/SOP305
Chloroform	ND	U	3.1	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane	ND	U	3.1	"	"	"	"	8260B/SOP305
Carbon tetrachloride	ND	U	3.1	"	"	"	"	8260B/SOP305
1,1-Dichloropropene	ND	U	3.1	"	"	"	"	8260B/SOP305
Benzene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,2-Dichloroethane	ND	U	3.1	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether	ND	U	12	"	"	"	"	8260B/SOP305
Trichloroethene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,2-Dichloropropane	ND	U	3.1	"	"	"	"	8260B/SOP305
Bromodichloromethane	ND	U	3.1	"	"	"	"	8260B/SOP305
cis-1,3-Dichloropropene	ND	C3, J, U	3.1	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)	ND	U	24	"	"	"	"	8260B/SOP305
Toluene	ND	U	3.1	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane	ND	U	3.1	"	"	"	"	8260B/SOP305
Tetrachloroethene	2.5	C1, J	3.1	"	"	"	"	8260B/SOP305
1,3-Dichloropropane	ND	U	3.1	"	"	"	"	8260B/SOP305
2-Hexanone	ND	U	24	"	"	"	"	8260B/SOP305
Chlorodibromomethane	ND	U	3.1	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)	ND	U	3.1	"	"	"	"	8260B/SOP305
Chlorobenzene	ND	U	3.1	"	"	"	"	8260B/SOP305
Ethylbenzene	ND	U	3.1	"	"	"	"	8260B/SOP305
m&p-Xylene	ND	U	6.1	"	"	"	"	8260B/SOP305
o-Xylene	ND	U	3.1	"	"	"	"	8260B/SOP305
Styrene	ND	U	3.1	"	"	"	"	8260B/SOP305
Bromoform	ND	U	3.1	"	"	"	"	8260B/SOP305

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Eric Yunker	Site Cleanup Section 3	SDG: 08065A
Project Number:	R08S33	75 Hawthorne Street	Reported: 04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	San Francisco CA, 94105	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-07								Solid - Sampled: 03/04/08 10:00
Sample ID: SB-41-20'								Volatile Organic Compounds by EPA Method 8260B
1,1,2,2-Tetrachloroethane	ND	U	3.1	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
1,2,3-Trichloropropane	ND	U	3.1	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene	ND	U	3.1	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane	ND	U	12	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4	*35.9*		*117 %*	*58-140%*	"	"	"	
Surrogate: Toluene-d8	*28.1*		*92 %*	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*25.0*		*82 %*	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*28.6*		*94 %*	*61-150%*	"	"	"	
Sample ID: SB-41-20'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	75		1	%	B8C0131	03/20/08	03/24/08	% calculation
Lab ID: 0803014-08								Solid - Sampled: 03/04/08 10:15
Sample ID: SB-41-30'								Volatile Organic Compounds by EPA Method 8260B
Dichlorodifluoromethane	ND	U	2.6	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
Chloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Vinyl chloride	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromomethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
Chloroethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
Trichlorofluoromethane	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
1,1-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Acetone	ND	C3, J, U	20	"	"	"	"	8260B/SOP305
Carbon disulfide	ND	U	2.6	"	"	"	"	8260B/SOP305
Dichloromethane	ND	U	2.6	"	"	"	"	8260B/SOP305
trans-1,2-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
tert-Butyl methyl ether (MTBE)	ND	U	10	"	"	"	"	8260B/SOP305
1,1-Dichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Ethyl tert-butyl ether	ND	U	10	"	"	"	"	8260B/SOP305
cis-1,2-Dichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
2-Butanone (MEK)	ND	U	20	"	"	"	"	8260B/SOP305
Chloroform	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,1-Trichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Carbon tetrachloride	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1-Dichloropropene	ND	U	2.6	"	"	"	"	8260B/SOP305
Benzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
tert-Amyl methyl ether	ND	U	10	"	"	"	"	8260B/SOP305
Trichloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08065A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 04/16/08 12:55
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0803014-08								Solid - Sampled: 03/04/08 10:15
Sample ID: SB-41-30'								Volatile Organic Compounds by EPA Method 8260B
Bromodichloromethane	ND	U	2.6	ug/kg dry	B8C0042	03/05/08	03/06/08	8260B/SOP305
cis-1,3-Dichloropropene	ND	C3, J, U	2.6	"	"	"	"	8260B/SOP305
4-Methyl-2-pentanone (MIBK)	ND	U	20	"	"	"	"	8260B/SOP305
Toluene	ND	U	2.6	"	"	"	"	8260B/SOP305
trans-1,3-Dichloropropene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2-Trichloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
Tetrachloroethene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,3-Dichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
2-Hexanone	ND	U	20	"	"	"	"	8260B/SOP305
Chlorodibromomethane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dibromoethane (EDB)	ND	U	2.6	"	"	"	"	8260B/SOP305
Chlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
Ethylbenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
m&p-Xylene	ND	U	5.1	"	"	"	"	8260B/SOP305
o-Xylene	ND	U	2.6	"	"	"	"	8260B/SOP305
Styrene	ND	U	2.6	"	"	"	"	8260B/SOP305
Bromoform	ND	U	2.6	"	"	"	"	8260B/SOP305
1,1,2,2-Tetrachloroethane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2,3-Trichloropropane	ND	U	2.6	"	"	"	"	8260B/SOP305
1,3-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,4-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dichlorobenzene	ND	U	2.6	"	"	"	"	8260B/SOP305
1,2-Dibromo-3-chloropropane	ND	U	10	"	"	"	"	8260B/SOP305
Surrogate: 1,2-Dichloroethane-d4	*30.7*		*120 %*	*58-140%*	"	"	"	
Surrogate: Toluene-d8	*23.1*		*90 %*	*50-160%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*20.9*		*81 %*	*52-150%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*26.0*		*102 %*	*61-150%*	"	"	"	
Sample ID: SB-41-30'								Conventional Chemistry Parameters by APHA/EPA Methods
% Solids	**84**		**1**	**%**	B8C0131	03/20/08	03/24/08	% calculation

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Eric Yunker	**Site Cleanup Section 3**		**SDG:**	08065A
Project Number:	R08S33	**75 Hawthorne Street**		**Reported:**	04/16/08 12:55
Project:	Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

Prepared & Analyzed: 03/06/08

Batch B8C0042 - - General VOA - VOCs, solids, low level

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Blank (B8C0042-BLK1)

Dichlorodifluoromethane	ND	U	2.5	ug/kg wet
Chloromethane	ND	U	2.5	"
Vinyl chloride	ND	U	2.5	"
Bromomethane	ND	C3, J, U	2.5	"
Chloroethane	ND	C3, J, U	2.5	"
Trichlorofluoromethane	ND	C3, J, U	2.5	"
1,1-Dichloroethene	ND	U	2.5	"
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	2.5	"
Acetone	ND	C3, J, U	20	"
Carbon disulfide	ND	U	2.5	"
Dichloromethane	ND	U	2.5	"
trans-1,2-Dichloroethene	ND	U	2.5	"
tert-Butyl methyl ether (MTBE)	ND	U	10	"
1,1-Dichloroethane	ND	U	2.5	"
Ethyl tert-butyl ether	ND	U	10	"
cis-1,2-Dichloroethene	ND	U	2.5	"
2-Butanone (MEK)	ND	U	20	"
Chloroform	ND	U	2.5	"
1,1,1-Trichloroethane	ND	U	2.5	"
Carbon tetrachloride	ND	U	2.5	"
1,1-Dichloropropene	ND	U	2.5	"
Benzene	ND	U	2.5	"
1,2-Dichloroethane	ND	U	2.5	"
tert-Amyl methyl ether	ND	U	10	"
Trichloroethene	ND	U	2.5	"
1,2-Dichloropropane	ND	U	2.5	"
Bromodichloromethane	ND	U	2.5	"
cis-1,3-Dichloropropene	ND	C3, J, U	2.5	"
4-Methyl-2-pentanone (MIBK)	ND	U	20	"
Toluene	ND	U	2.5	"
trans-1,3-Dichloropropene	ND	U	2.5	"
1,1,2-Trichloroethane	ND	U	2.5	"
Tetrachloroethene	ND	U	2.5	"
1,3-Dichloropropane	ND	U	2.5	"
2-Hexanone	ND	U	20	"
Chlorodibromomethane	ND	U	2.5	"
1,2-Dibromoethane (EDB)	ND	U	2.5	"
Chlorobenzene	ND	U	2.5	"
Ethylbenzene	ND	U	2.5	"
m&p-Xylene	ND	U	5.0	"
o-Xylene	ND	U	2.5	"
Styrene	ND	U	2.5	"
Bromoform	ND	U	2.5	"

ATTACHMENT 5

Soil Gas Sampling Analytical Data Sheets SVE-1 and SVE-2

0803018 FINAL 03 25 08 1504

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R08S33**
SDG: 08066A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Eric Yunker**
Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Cooper Drum March 2008 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: **Don Gruber, URS Corporation**

Analyses included in this report:

VOCs, Soil Gas

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
SVE-1-15	0803018-01	Air	03/04/08 14:15	03/06/08 09:30
SVE-1-30	0803018-02	Air	03/04/08 14:30	03/06/08 09:30
SVE-2-15	0803018-03	Air	03/05/08 08:35	03/06/08 09:30
SVE-2-30	0803018-04	Air	03/05/08 08:50	03/06/08 09:30

United States Environmental Protection Agency
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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Lab ID: 0803018-01 — Air - Sampled: 03/04/08 14:15
Sample ID: SVE-1-15 — Volatile Organic Compounds by TO-15

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane		ND	U	400	ppbv	B8C0110	03/13/08	03/14/08	TO-15/SOP311
1,2-Dichlorotetrafluoroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Chloromethane		ND	U	400	"	"	"	"	TO-15/SOP311
Vinyl chloride	RE1	56000		4000	"	"	"	03/13/08	TO-15/SOP311
Bromomethane		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
Chloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		1200		400	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane	RE1	13000		4000	"	"	"	03/13/08	TO-15/SOP311
cis-1,2-Dichloroethene	RE1	66000		4000	"	"	"	"	TO-15/SOP311
Chloroform		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
1,1,1-Trichloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Carbon tetrachloride		ND	U	400	"	"	"	"	TO-15/SOP311
Benzene		1500		400	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		310	C1, J	400	"	"	"	"	TO-15/SOP311
Trichloroethene		4100		400	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane		830		400	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	400	"	"	"	"	TO-15/SOP311
Toluene		5300		400	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Tetrachloroethene		3700		400	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	400	"	"	"	"	TO-15/SOP311
Chlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
Ethylbenzene		340	C1, J	400	"	"	"	"	TO-15/SOP311
m&p-Xylene		440	C1, J	810	"	"	"	"	TO-15/SOP311
o-Xylene		380	C1, J	400	"	"	"	"	TO-15/SOP311
Styrene		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	U	400	"	"	"	"	TO-15/SOP311

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Lab ID: 0803018-02 — Air - Sampled: 03/04/08 14:30
Sample ID: SVE-1-30 — Volatile Organic Compounds by TO-15

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane		ND	U	410	ppbv	B8C0110	03/13/08	03/14/08	TO-15/SOP311
1,2-Dichlorotetrafluoroethane		ND	U	410	"	"	"	"	TO-15/SOP311
Chloromethane		ND	U	410	"	"	"	"	TO-15/SOP311
Vinyl chloride	RE2	100000		8400	"	B8C0111	03/14/08	03/14/08	TO-15/SOP311
Bromomethane		ND	U	410	"	B8C0110	03/13/08	03/14/08	TO-15/SOP311
Chloroethane		ND	U	410	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	U	410	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	410	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		2300		410	"	"	"	"	TO-15/SOP311
Dichloromethane		270	C1, J	410	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane	RE1	22000		4100	"	"	"	03/13/08	TO-15/SOP311
cis-1,2-Dichloroethene	RE2	120000		8400	"	B8C0111	03/14/08	03/14/08	TO-15/SOP311
Chloroform		ND	U	410	"	B8C0110	03/13/08	03/14/08	TO-15/SOP311
1,1,1-Trichloroethane		ND	U	410	"	"	"	"	TO-15/SOP311
Carbon tetrachloride		ND	U	410	"	"	"	"	TO-15/SOP311
Benzene		2900		410	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		660		410	"	"	"	"	TO-15/SOP311
Trichloroethene	RE1	6500		4100	"	"	"	03/13/08	TO-15/SOP311
1,2-Dichloropropane		1600		410	"	"	"	03/14/08	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	410	"	"	"	"	TO-15/SOP311
Toluene	RE1	8100		4100	"	"	"	03/13/08	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	410	"	"	"	03/14/08	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	410	"	"	"	"	TO-15/SOP311
Tetrachloroethene		6400		410	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	410	"	"	"	"	TO-15/SOP311
Chlorobenzene		400	C1, J	410	"	"	"	"	TO-15/SOP311
Ethylbenzene		630		410	"	"	"	"	TO-15/SOP311
m&p-Xylene		420	C1, J	820	"	"	"	"	TO-15/SOP311
o-Xylene		980		410	"	"	"	"	TO-15/SOP311
Styrene		ND	U	410	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	410	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		ND	U	410	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		ND	U	410	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	410	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	410	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	410	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	U	410	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	U	410	"	"	"	"	TO-15/SOP311

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Lab ID: 0803018-03 — Air - Sampled: 03/05/08 08:35
Sample ID: SVE-2-15 — Volatile Organic Compounds by TO-15

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane		ND	U	400	ppbv	B8C0110	03/13/08	03/14/08	TO-15/SOP311
1,2-Dichlorotetrafluoroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Chloromethane		ND	U	400	"	"	"	"	TO-15/SOP311
Vinyl chloride		1000		400	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	400	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		1800		400	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		610		400	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane	RE1	37000		4000	"	"	"	03/13/08	TO-15/SOP311
cis-1,2-Dichloroethene	RE1	40000		4000	"	"	"	"	TO-15/SOP311
Chloroform		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
1,1,1-Trichloroethane		610		400	"	"	"	"	TO-15/SOP311
Carbon tetrachloride		ND	U	400	"	"	"	"	TO-15/SOP311
Benzene		450		400	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Trichloroethene	RE1	17000		4000	"	"	"	03/13/08	TO-15/SOP311
1,2-Dichloropropane		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	400	"	"	"	"	TO-15/SOP311
Toluene	RE1	35000		4000	"	"	"	03/13/08	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Tetrachloroethene	RE1	49000		4000	"	"	"	03/13/08	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
Chlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
Ethylbenzene		5500		400	"	"	"	"	TO-15/SOP311
m&p-Xylene		14000		800	"	"	"	"	TO-15/SOP311
o-Xylene		3300		400	"	"	"	"	TO-15/SOP311
Styrene		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		570		400	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		1300		400	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	U	400	"	"	"	"	TO-15/SOP311

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Sample Results

Lab ID: 0803018-04 — Air - Sampled: 03/05/08 08:50
Sample ID: SVE-2-30 — Volatile Organic Compounds by TO-15

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane		ND	U	400	ppbv	B8C0110	03/13/08	03/14/08	TO-15/SOP311
1,2-Dichlorotetrafluoroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Chloromethane		ND	U	400	"	"	"	"	TO-15/SOP311
Vinyl chloride		650		400	"	"	"	"	TO-15/SOP311
Bromomethane		ND	U	400	"	"	"	"	TO-15/SOP311
Chloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane		1800		400	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene		570		400	"	"	"	"	TO-15/SOP311
Dichloromethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,1-Dichloroethane	RE1	38000		4000	"	"	"	03/13/08	TO-15/SOP311
cis-1,2-Dichloroethene	RE1	37000		4000	"	"	"	"	TO-15/SOP311
Chloroform		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
1,1,1-Trichloroethane		670		400	"	"	"	"	TO-15/SOP311
Carbon tetrachloride		ND	U	400	"	"	"	"	TO-15/SOP311
Benzene		430		400	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Trichloroethene	RE1	20000		4000	"	"	"	03/13/08	TO-15/SOP311
1,2-Dichloropropane		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
cis-1,3-Dichloropropene		ND	U	400	"	"	"	"	TO-15/SOP311
Toluene	RE1	42000		4000	"	"	"	03/13/08	TO-15/SOP311
trans-1,3-Dichloropropene		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
1,1,2-Trichloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
Tetrachloroethene	RE1	59000		4000	"	"	"	03/13/08	TO-15/SOP311
1,2-Dibromoethane (EDB)		ND	U	400	"	"	"	03/14/08	TO-15/SOP311
Chlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
Ethylbenzene		6200		400	"	"	"	"	TO-15/SOP311
m&p-Xylene	RE1	13000		7900	"	"	"	03/13/08	TO-15/SOP311
o-Xylene		3900		400	"	"	"	03/14/08	TO-15/SOP311
Styrene		ND	U	400	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane		ND	U	400	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene		680		400	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene		1600		400	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene		ND	U	400	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene		ND	U	400	"	"	"	"	TO-15/SOP311

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Eric Yunker	**Site Cleanup Section 3**		**SDG:**	08066A
Project Number:	R08S33	**75 Hawthorne Street**		**Reported:**	03/25/08 15:04
Project:	Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**			

Quality Control

Prepared & Analyzed: 03/13/08

Volatile Organic Compounds by TO-15 - Quality Control

Batch B8C0110 - - General VOA - VOCs, Soil Gas

Blank (B8C0110-BLK1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propene	ND	U	1.0	ppbv						
Dichlorodifluoromethane	ND	U	1.0	"						
1,2-Dichlorotetrafluoroethane	ND	U	1.0	"						
Chloromethane	ND	U	1.0	"						
Vinyl chloride	ND	U	1.0	"						
Bromomethane	ND	U	1.0	"						
Chloroethane	ND	U	1.0	"						
Trichlorofluoromethane	ND	U	1.0	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	1.0	"						
1,1-Dichloroethene	ND	U	1.0	"						
Acetone	ND	U	1.0	"						
Carbon disulfide	ND	U	1.0	"						
2-Propanol	ND	U	1.0	"						
Dichloromethane	ND	U	1.0	"						
tert-Butyl methyl ether (MTBE)	ND	U	1.0	"						
trans-1,2-Dichloroethene	ND	U	1.0	"						
Hexane	ND	U	1.0	"						
1,1-Dichloroethane	ND	U	1.0	"						
cis-1,2-Dichloroethene	ND	U	1.0	"						
2-Butanone (MEK)	ND	C3, J, Q3, U	1.0	"						
Tetrahydrofuran	ND	U	1.0	"						
Chloroform	ND	U	1.0	"						
Cyclohexane	ND	U	1.0	"						
1,1,1-Trichloroethane	ND	U	1.0	"						
Carbon tetrachloride	ND	U	1.0	"						
Benzene	ND	U	1.0	"						
1,2-Dichloroethane	ND	U	1.0	"						
Trichloroethene	ND	U	1.0	"						
1,2-Dichloropropane	ND	U	1.0	"						
1,4-Dioxane	ND	U	1.0	"						
cis-1,3-Dichloropropene	ND	U	1.0	"						
Toluene	ND	U	1.0	"						
trans-1,3-Dichloropropene	ND	U	1.0	"						
1,1,2-Trichloroethane	ND	U	1.0	"						
Tetrachloroethene	ND	U	1.0	"						
1,2-Dibromoethane (EDB)	ND	U	1.0	"						
Chlorobenzene	ND	U	1.0	"						
Ethylbenzene	ND	U	1.0	"						
m&p-Xylene	ND	U	2.0	"						
o-Xylene	ND	U	1.0	"						
Styrene	ND	U	1.0	"						
1,1,2,2-Tetrachloroethane	ND	U	1.0	"						
1,3,5-Trimethylbenzene	ND	U	1.0	"						

United States Environmental Protection Agency
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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Prepared & Analyzed: 03/13/08

Batch B8C0110 - - General VOA - VOCs, Soil Gas — Volatile Organic Compounds by TO-15 - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B8C0110-BLK1)										
1,2,4-Trimethylbenzene	ND	U	1.0	"						
1,3-Dichlorobenzene	ND	U	1.0	"						
1,4-Dichlorobenzene	ND	U	1.0	"						
1,2-Dichlorobenzene	ND	U	1.0	"						
1,2,4-Trichlorobenzene	ND	U	1.0	"						
Hexachlorobutadiene	ND	U	1.0	"						
LCS (B8C0110-BS1)										
Dichlorodifluoromethane	10.9		1.0	ppbv	10.9		100	61.7-133		
1,2-Dichlorotetrafluoroethane	10.5		1.0	"	10.7		98	70-130		
Chloromethane	12.3		1.0	"	11.0		112	67.2-135		
Vinyl chloride	10.7		1.0	"	11.0		97	61.6-133		
Bromomethane	8.61		1.0	"	10.5		82	57.8-134		
Chloroethane	10.7		1.0	"	10.9		98	64.3-132		
Trichlorofluoromethane	11.0		1.0	"	11.0		100	61.4-132		
1,1,2-Trichloro-1,2,2-trifluoroethane	10.7		1.0	"	10.9		98	59.7-132		
1,1-Dichloroethene	10.7		1.0	"	11.1		97	63.5-132		
Dichloromethane	10.3		1.0	"	10.8		96	65.5-132		
1,1-Dichloroethane	10.9		1.0	"	11.0		99	65.3-128		
cis-1,2-Dichloroethene	11.1		1.0	"	11.1		100	65.3-130		
Chloroform	10.9		1.0	"	11.1		98	55-139		
1,1,1-Trichloroethane	11.2		1.0	"	11.4		98	66.9-127		
Carbon tetrachloride	11.2		1.0	"	11.0		101	65.1-128		
Benzene	11.0		1.0	"	11.1		99	67.1-128		
1,2-Dichloroethane	11.8		1.0	"	11.2		105	66.5-129		
Trichloroethene	11.1		1.0	"	11.1		100	61.3-128		
1,2-Dichloropropane	10.8		1.0	"	11.1		97	68.6-127		
cis-1,3-Dichloropropene	11.0		1.0	"	10.9		101	66.9-131		
Toluene	11.1		1.0	"	11.1		100	66.3-131		
trans-1,3-Dichloropropene	11.0		1.0	"	11.0		100	44.5-159		
1,1,2-Trichloroethane	10.9		1.0	"	11.2		98	64.2-130		
Tetrachloroethene	10.9		1.0	"	11.0		99	50.4-143		
1,2-Dibromoethane (EDB)	9.42		1.0	"	11.0		86	60-130		
Chlorobenzene	11.0		1.0	"	11.2		98	62.3-128		
Ethylbenzene	11.3		1.0	"	11.1		102	60.4-134		
m&p-Xylene	23.0		2.0	"	22.4		103	60.6-134		
o-Xylene	11.5		1.0	"	11.2		103	59.5-136		
Styrene	10.6		1.0	"	11.2		95	47.9-137		
1,1,2,2-Tetrachloroethane	10.9		1.0	"	11.3		97	52.4-138		
1,3,5-Trimethylbenzene	11.5		1.0	"	11.1		103	47.5-147		
1,2,4-Trimethylbenzene	11.4		1.0	"	11.2		102	40.9-153		
1,3-Dichlorobenzene	11.4		1.0	"	11.3		101	58.4-130		
1,4-Dichlorobenzene	11.5		1.0	"	11.4		101	56.7-131		
1,2-Dichlorobenzene	11.4		1.0	"	11.5		99	57.2-131		
1,2,4-Trichlorobenzene	10.5		1.0	"	11.9		88	46.5-140		
Hexachlorobutadiene	10.8		1.0	"	12.0		90	47.5-140		

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Eric Yunker	**Site Cleanup Section 3**		**SDG:**	08066A
Project Number:	R08S33	**75 Hawthorne Street**		**Reported:**	03/25/08 15:04
Project:	Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

Prepared: 03/13/08 Analyzed: 03/14/08

Batch B8C0110 - - General VOA - VOCs, Soil Gas — Volatile Organic Compounds by TO-15 - Quality Control

Duplicate (B8C0110-DUP2) — Source: 0803018-01

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	U	400	ppbv		ND				20
1,2-Dichlorotetrafluoroethane	ND	U	400	"		ND				20
Chloromethane	ND	U	400	"		ND				20
Vinyl chloride	63300	C2, J	400	"		64800			2	20
Bromomethane	ND	U	400	"		ND				20
Chloroethane	ND	U	400	"		ND				20
Trichlorofluoromethane	ND	U	400	"		ND				20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	400	"		ND				20
1,1-Dichloroethene	1180		400	"		1210			2	20
Dichloromethane	ND	U	400	"		ND				20
1,1-Dichloroethane	15700	C2, J	400	"		15500			0.9	20
cis-1,2-Dichloroethene	70900	C2, J	400	"		74000			4	20
Chloroform	ND	U	400	"		ND				20
1,1,1-Trichloroethane	ND	U	400	"		ND				20
Carbon tetrachloride	ND	U	400	"		ND				20
Benzene	1390		400	"		1460			5	20
1,2-Dichloroethane	302	C1, J	400	"		311			3	20
Trichloroethene	4150		400	"		4120			0.6	20
1,2-Dichloropropane	785		400	"		825			5	20
cis-1,3-Dichloropropene	ND	U	400	"		ND				20
Toluene	5500		400	"		5320			3	20
trans-1,3-Dichloropropene	ND	U	400	"		ND				20
1,1,2-Trichloroethane	ND	U	400	"		ND				20
Tetrachloroethene	4000		400	"		3740			7	20
1,2-Dibromoethane (EDB)	ND	U	400	"		ND				20
Chlorobenzene	ND	U	400	"		ND				20
Ethylbenzene	362	C1, J	400	"		343			6	20
m&p-Xylene	524	C1, J	810	"		443			17	20
o-Xylene	334	C1, J	400	"		385			14	20
Styrene	ND	U	400	"		ND				20
1,1,2,2-Tetrachloroethane	ND	U	400	"		ND				20
1,3,5-Trimethylbenzene	ND	U	400	"		ND				20
1,2,4-Trimethylbenzene	ND	U	400	"		ND				20
1,3-Dichlorobenzene	ND	U	400	"		ND				20
1,4-Dichlorobenzene	ND	U	400	"		ND				20
1,2-Dichlorobenzene	ND	U	400	"		ND				20
1,2,4-Trichlorobenzene	ND	U	400	"		ND				20
Hexachlorobutadiene	ND	U	400	"		ND				20

Prepared & Analyzed: 03/14/08

Batch B8C0111 - - General VOA - VOCs, Soil Gas — Volatile Organic Compounds by TO-15 - Quality Control

Blank (B8C0111-BLK1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propene	ND	U	1.0	ppbv						
Dichlorodifluoromethane	ND	U	1.0	"						
1,2-Dichlorotetrafluoroethane	ND	U	1.0	"						

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Eric Yunker	**Site Cleanup Section 3**		**SDG:**	08066A
Project Number:	R08S33	**75 Hawthorne Street**		**Reported:**	03/25/08 15:04
Project:	Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**			

Quality Control

Prepared & Analyzed: 03/14/08

Volatile Organic Compounds by TO-15 - Quality Control

Batch B8C0111 - - General VOA - VOCs, Soil Gas

Blank (B8C0111-BLK1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Chloromethane	ND	U	1.0	"						
Vinyl chloride	ND	U	1.0	"						
Bromomethane	ND	U	1.0	"						
Chloroethane	ND	U	1.0	"						
Trichlorofluoromethane	ND	U	1.0	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	1.0	"						
1,1-Dichloroethene	ND	U	1.0	"						
Acetone	ND	U	1.0	"						
Carbon disulfide	ND	U	1.0	"						
2-Propanol	ND	U	1.0	"						
Dichloromethane	ND	U	1.0	"						
tert-Butyl methyl ether (MTBE)	ND	U	1.0	"						
trans-1,2-Dichloroethene	ND	U	1.0	"						
Hexane	ND	U	1.0	"						
1,1-Dichloroethane	ND	U	1.0	"						
cis-1,2-Dichloroethene	ND	U	1.0	"						
2-Butanone (MEK)	ND	C3, J, Q3, U	1.0	"						
Tetrahydrofuran	ND	U	1.0	"						
Chloroform	ND	U	1.0	"						
Cyclohexane	ND	U	1.0	"						
1,1,1-Trichloroethane	ND	U	1.0	"						
Carbon tetrachloride	ND	U	1.0	"						
Benzene	ND	U	1.0	"						
1,2-Dichloroethane	ND	U	1.0	"						
Trichloroethene	ND	U	1.0	"						
1,2-Dichloropropane	ND	U	1.0	"						
1,4-Dioxane	ND	U	1.0	"						
cis-1,3-Dichloropropene	ND	U	1.0	"						
Toluene	ND	U	1.0	"						
trans-1,3-Dichloropropene	ND	U	1.0	"						
1,1,2-Trichloroethane	ND	U	1.0	"						
Tetrachloroethene	ND	U	1.0	"						
1,2-Dibromoethane (EDB)	ND	U	1.0	"						
Chlorobenzene	ND	U	1.0	"						
Ethylbenzene	ND	U	1.0	"						
m&p-Xylene	ND	U	2.0	"						
o-Xylene	ND	U	1.0	"						
Styrene	ND	U	1.0	"						
1,1,2,2-Tetrachloroethane	ND	U	1.0	"						
1,3,5-Trimethylbenzene	ND	U	1.0	"						
1,2,4-Trimethylbenzene	ND	U	1.0	"						
1,3-Dichlorobenzene	ND	U	1.0	"						
1,4-Dichlorobenzene	ND	U	1.0	"						
1,2-Dichlorobenzene	ND	U	1.0	"						

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Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Quality Control

Prepared & Analyzed: 03/14/08

Batch B8C0111 - - General VOA - VOCs, Soil Gas — Volatile Organic Compounds by TO-15 - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B8C0111-BLK1)										
1,2,4-Trichlorobenzene	ND	U	1.0	"						
Hexachlorobutadiene	ND	U	1.0	"						
LCS (B8C0111-BS1)										
Dichlorodifluoromethane	11.4		1.0	ppbv	10.9		104	61.7-133		
1,2-Dichlorotetrafluoroethane	11.0		1.0	"	10.7		103	70-130		
Chloromethane	12.7		1.0	"	11.0		115	67.2-135		
Vinyl chloride	10.6		1.0	"	11.0		97	61.6-133		
Bromomethane	8.50		1.0	"	10.5		81	57.8-134		
Chloroethane	10.5		1.0	"	10.9		97	64.3-132		
Trichlorofluoromethane	10.9		1.0	"	11.0		99	61.4-132		
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0		1.0	"	10.9		101	59.7-132		
1,1-Dichloroethene	11.1		1.0	"	11.1		100	63.5-132		
Dichloromethane	10.6		1.0	"	10.8		98	65.5-132		
1,1-Dichloroethane	11.1		1.0	"	11.0		101	65.3-128		
cis-1,2-Dichloroethene	11.5		1.0	"	11.1		104	65.3-130		
Chloroform	11.3		1.0	"	11.1		101	55-139		
1,1,1-Trichloroethane	11.5		1.0	"	11.4		101	66.9-127		
Carbon tetrachloride	11.5		1.0	"	11.0		105	65.1-128		
Benzene	11.1		1.0	"	11.1		100	67.1-128		
1,2-Dichloroethane	12.1		1.0	"	11.2		108	66.5-129		
Trichloroethene	11.4		1.0	"	11.1		102	61.3-128		
1,2-Dichloropropane	11.0		1.0	"	11.1		99	68.6-127		
cis-1,3-Dichloropropene	11.2		1.0	"	10.9		103	66.9-131		
Toluene	10.9		1.0	"	11.1		98	66.3-131		
trans-1,3-Dichloropropene	10.8		1.0	"	11.0		98	44.5-159		
1,1,2-Trichloroethane	10.7		1.0	"	11.2		95	64.2-130		
Tetrachloroethene	10.6		1.0	"	11.0		96	50.4-143		
1,2-Dibromoethane (EDB)	9.15		1.0	"	11.0		83	60-130		
Chlorobenzene	10.6		1.0	"	11.2		95	62.3-128		
Ethylbenzene	10.8		1.0	"	11.1		97	60.4-134		
m&p-Xylene	22.1		2.0	"	22.4		98	60.6-134		
o-Xylene	11.0		1.0	"	11.2		98	59.5-136		
Styrene	10.0		1.0	"	11.2		89	47.9-137		
1,1,2,2-Tetrachloroethane	10.2		1.0	"	11.3		90	52.4-138		
1,3,5-Trimethylbenzene	10.7		1.0	"	11.1		97	47.5-147		
1,2,4-Trimethylbenzene	10.6		1.0	"	11.2		95	40.9-153		
1,3-Dichlorobenzene	10.7		1.0	"	11.3		95	58.4-130		
1,4-Dichlorobenzene	10.7		1.0	"	11.4		94	56.7-131		
1,2-Dichlorobenzene	10.6		1.0	"	11.5		92	57.2-131		
1,2,4-Trichlorobenzene	10.0		1.0	"	11.9		84	46.5-140		
Hexachlorobutadiene	10.4		1.0	"	12.0		86	47.5-140		

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Eric Yunker	**Site Cleanup Section 3**	**SDG:** 08066A
Project Number: R08S33	**75 Hawthorne Street**	**Reported:** 03/25/08 15:04
Project: Cooper Drum March 2008 Sampling	**San Francisco CA, 94105**	

Qualifiers and Comments

Q3	The quantitation limit standard did not meet recovery criteria for this analyte.
J	The reported result for this analyte should be considered an estimated value.
C3	The initial calibration for this analyte did not meet calibration criteria.
C2	The reported concentration for this analyte is above the calibration range of the instrument.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

ATTACHMENT 6

Investigation-Derived Waste Documentation

TPST Soil Recyclers of CA

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 533

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Capter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A3-0822 Load #: 1 3/5/2008

Generator Site Information:

COOPER DRUM
9316 ATLANTIC AVE

SOUTHGATE, CA

Weighmaster Weighed at:

TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

			Lbs	Tons	
D Jeffrey	**Time In:** 7:56:18 AM	**Gross Weight:**	73220	36.61	Manual Wt
D Jeffrey	**Time out:** 8:15:30 AM	**Tare Weight:**	39360	19.68	Manual Wt
		Net Weight:	33860	16.93	

Truck Number: 514

Trailer Number: 2104

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - GEORGE

TRANSPORTATION WORK ORDER

BILL NO. E- 0059633

AMERICAN INTEGRATED SERVICES, INC.
1502 E. OPP STREET
WILMINGTON, CA 90744
PH: 310-522-1168 FAX: 310-522-0474

DATE 2/26/08

JOB # 28002-19
BROKER #
TRUCK # 400
TRAILER #
CA #

UNDERLYING CARRIER (IF ANY)
ADDRESS PH

CUSTOMER
ADDRESS OR BOX 5221 Southern Ave
JOB SITE South Gate Ca.
NAME AND ADDRESS OF DEBITOR IF OTHER THAN SHIPPER/CONSIGNOR

RECIEVER CONSIGNEE
ADDRESS OR BOX
CITY/STATE/ZIP
POINT OF ORIGIN
POINT OF DESTINATION

EQUIPMENT TYPE
- ☐ 10 WHEELER
- ☐ 120 BBL VAC TRUCK
- ☐ SMALL VAC
- ☐ ROLL-OFF
- ☐ LOWBOY
- ☐ END DUMP
- ☐ 40 YARD BOX
- ☐ 16 YARD BIN
- ☒ STAKE BED
- ☐ WATER TRUCK
- ☐ _____

PROD. AREA
DELIVERY ZONE
MILEAGE

☐ HOURLY
☐ TONNAGE
☐ PER LOAD
RATE @ $

	JOB NO.	TRUCK NO.	TRAILER	LOADING START	LOADING STOP	DESCRIPTION
1	2-19	400		0930	1130	Pull Sample
2						FROM BIN # B16069
3						AND TAKE sample to
4						The lab
5						
6						
7						
8						
9						
10						

REPORTING TIME	ENDING TIME	TOTAL TIME	DEDUCTIBLE TIME	NET TIME	TOTAL TONS
0930	1130	2 hrs			
START DRIVING TIME LAST TRIP	ARRIVAL TIME AT DUMP LAST TRIP	END LOADING LAST TRIP	RUNNING TIME LAST TRIP		

ACCESSORIAL OTHER CHARGES
SUB TOTAL
TOTAL CHARGES

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

AMERICAN INTEGRATED SERVICES, INC.
DRIVER SIGNATURE

2/26/08
DATE

CUSTOMER SIGNATURE

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter		A07	30822	0011

Generator and/or Consultant

Generator's Name and Billing Address: US EPA 75 Hawthorne Street San Francisco, CA 94605	Generator's Phone #: 415-972-3159 Person to Contact: Eric Yonker FAX#:	Generator's US EPA ID No. Customer Account Number with TPST:
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	 Customer Account Number with TPST:
Generation Site (Transport from): *(name & address)* Copper Drum 9316 Atlantic Avenue South Gate, Ca	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS Technologies 12328 Hibiscus Rd. Adelanto, CA 92301-1700	Facility Phone #: (800) 862-8001 Person to Contact: Dellena Jeffrey FAX#: (760) 246-8004	Facility Permit Numbers
Transporter Name and Mailing Address: American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90809-2316 B16069	Transporter's Phone #: (310) 522-1168 Person to Contact: Melynda Borrego FAX#: (310) 522-0474	Transporter's US EPA ID No.: CAR000145338 Transporter's DOT No.: Customer Account Number with TPST: 7704908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☑ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	16 yd.	16 yd Bin Contaminated			
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: AIS Project # 28002-19 Scale Ticket#

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐ — Don Gruber Dan Muhs for U.S. EPA

Signature and date: Dan Muhs for U.S. EPA — Month 3 Day 4 Year 08

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: [illegible] Cano

Signature and date: [illegible] — Month 03 Day 04 Year 08

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:

Signature and date:

Please print or type.

GENERATOR/CONSULTANTS COPY

TPST Soil Recyclers of CA

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 534

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Capter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A3-0822 Load #: 2 3/10/2008

Generator Site Information:

COOPER DRUM

9316 ATLANTIC AVE

SOUTHGATE, CA

Weighmaster Weighed at:

TPST SOIL RECYCLERS OF CALIFORNIA

12328 HIBISCUS AVE

ADELANTO, CA 92301

			Lbs	Tons	
D Jeffrey	**Time In:** 8:02:24 AM	**Gross Weight:**	67180	33.59	Manual Wt
D Jeffrey	**Time out:** 8:06:49 AM	**Tare Weight:**	38740	19.37	Manual Wt
		Net Weight:	28440	14.22	

Truck Number: 514

Trailer Number: 210

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - GEORGE

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter		A07		

Generator and/or Consultant

Generator's Name and Billing Address: US EPA 75 Hawthorne Street San Francisco, CA 94605	Generator's Phone #: 415-972-3159 Person to Contact: Eric Yonker FAX#:	Generator's US EPA ID No. Customer Account Number with TPST:
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	 Customer Account Number with TPST:
Site (Transport from): *(name & address)* Copper Drum 9316 Atlantic Avenue South Gate, Ca	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG. Levels
Facility (Transport to): *(name & address)* TPS Technologies 12328 Hibiscus Rd. Adelanto, CA 92301-1700	Facility Phone #: (800) 852-8001 Person to Contact: Dallena Jeffrey FAX#: (760) 246-8004	Facility Permit Numbers
American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90809-2316	Transporter's Phone #: (310) 522-1158 Person to Contact: Melynda Borrego FAX#: (310) 522-0474	Transporter's US EPA ID No.: CAR000148338 Transporter's DOT No.: Customer Account Number with TPST: 7704908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exceptions to items listed above: AIS Project# 28002-19 Scale Ticket#

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ☒ — Don Gruber for U.S. EPA

Signature and date: Don Gruber on behalf of U.S. EPA — Month 3 Day 7 Year 08

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: | Signature and date: | Month | Day | Year

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: | Signature and date:

Please print or type.

GENERATOR/CONSULTANTS COPY

TPST Soil Recyclers of CA

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 5347

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Capter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A3-0822 Load #: 3 3/10/2008

Generator Site Information:

COOPER DRUM
9316 ATLANTIC AVE

SOUTHGATE, CA

Weighmaster Weighed at:

TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

			Lbs	Tons	
J Provansal	**Time In:** 1:19:05 PM	**Gross Weight:**	70000	35.00	Manual Wt
J Provansal	**Time out:** 1:35:35 PM	**Tare Weight:**	39520	19.76	Manual Wt
		Net Weight:	30480	15.24	

Truck Number: 514

Trailer Number: 210

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - GEORGE

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
3-10-08	Transporter	514-2104	A07	30822	0002

Generator and/or Consultant

Generator's Name and Billing Address: US EPA 75 Hawthorne Street San Francisco, CA 94605	Generator's Phone #: 415-972-3169 Person to Contact: Eric Yonker FAX#:	Generator's US EPA ID No. Customer Account Number with TPST:
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	Customer Account Number with TPST:
Copper Drum (transport from): *(name & address)* 9316 Atlantic Avenue South Gate, Ca	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG Levels
TPS Technologies (transport to): *(name & address)* 12328 Hibiscus Rd. Adelanto, CA 92301-1700	Facility Phone #: (800) 862-8001 Person to Contact: Dellena Jeffrey FAX#: (760) 246-8004	Facility Permit Numbers
American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90809-2316	Transporter Phone #: (310) 522-1166 Person to Contact: Melynda Borrego FAX#: (310) 522-0474	Transporter's US EPA ID No.: CAR000145328 Transporter's DOT No.: Customer Account Number with TPST: 2704908

Description of Soil	Moisture Content	Contaminated by	Approx. Qty	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20% & over ☐	Gas ☐ Diesel ☐ Other ☐			70000	3800	3848
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20% & over ☐	Gas ☐ Diesel ☐ Other ☐					15.20

List any exception to items listed above: AIS Project # 28002-19 B16073 Scale Ticket # 53479

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name		Signature and date	Month	Day	Year
Don Gruber	Generator ☐ Consultant ☐ AIS EPA	Don Gruber AIS EPA	3	7	08

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from, or in any way delaying delivery of such site.

Print or Type Name	Signature and date	Month	Day	Year
George Baird	George Baird	3	10	08

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name	Signature and date
	3.10.8

Please print or type.

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number: Not Required	2. Page 1 of	3. Emergency Response Phone: 888-423-6080	4. Waste Tracking Number: 011477

5. Generator's Name and Mailing Address
US EPA
75 Hawthorne St.
San Francisco, CA 94105 USA
Generator's Phone: 415-972-3159

Generator's Site Address (if different than mailing address)
9316 Atlantic Ave.
South Gate, CA USA

6. Transporter 1 Company Name: American Integrated Services Inc
U.S. EPA ID Number: CAR000146338

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Crosby & Overton
1630 W 16th Street
Long Beach, CA 90813 USA
Facility's Phone: 562-432-5445
U.S. EPA ID Number: CAD028409019

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1 Non-Hazardous Waste Liquid	1	TT	3,800	G
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information
Wear appropriate PPE when handling material. Weights or volumes are approximate.
Job #28002-19 Profile #2757B

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: AIS on behalf of Generator - J Sherman
Signature
Month 3 Day 28 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JESSIE CANO
Signature
Month 3 Day 28 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: JUAN SALCEDO
Signature
Month 3 Day 28 Year 08

GENERATOR
TRANSPORTER INT'L
DESIGNATED FACILITY

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-13385-1

Job Description: Cooper Drum

For:
URS Corporation
2870 Gateway Oaks Drive
Suite 300
Sacramento, CA 95833

Attention: Mr. Scott Lookingbill

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
03/13/2008

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Client: URS Corporation

Job Number: 720-13385-1

Client Sample ID: **BAKER-1**

Lab Sample ID: 720-13385-1
Client Matrix: Water

Date Sampled: 03/07/2008 1000
Date Received: 03/11/2008 1807

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/12/2008 1249
Date Prepared: 03/12/2008 1249

Analysis Batch: 720-32928

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	0.79		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	0.64		0.50
1,2-Dichloroethane	9.9		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	37		0.50
trans-1,2-Dichloroethene	3.2		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: URS Corporation

Job Number: 720-13385-1

Client Sample ID: **BAKER-1**

Lab Sample ID: 720-13385-1
Client Matrix: Water

Date Sampled: 03/07/2008 1000
Date Received: 03/11/2008 1807

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/12/2008 1249
Date Prepared: 03/12/2008 1249

Analysis Batch: 720-32928

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	57		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	62 - 118
Toluene-d8 (Surr)	111	73 - 117

Scott Lockingbill

48hr TAT

109803

URS Grainer Woodward Glyde
~~2520 Venture Oaks Drive, Suite 250~~
Sacramento, CA 95833
~~(916) 989-2046~~ 916-679-2388

Chain Of Custody Record

Send Results to Scott_lockingbill@urscorp.com

Page 1 of 11

Project Number: 18500147.03210

Site Name: Cooper Drum

Sampler's signatures: Dm Mm

720-13385

Analytical Methods: List number of containers, preservative per method (e.g. for sample of 3 VOA vials with HCl, record 3,A in box)

Sample Number	Sample Location	Depth	Date (MM/DD/YY)	Time (24 Hour)	Matrix	Grab SACODE	Comp MET	List Analytical Methods: VOCs 8260					Remarks
Baker-1	Tank 1		03/07/08	1000	W		G	3,A					48hr TAT

RUSH

Matrix Types: A - Air; GS- Soil Gas; GE - Gaseous Effluent; P - Product; S - Soil/Sediment/Solid; T - Tissue; W - Water; WG - Groundwater; WW - Waste Water; O - Other (specify)
MET: G - Grab; TD - Tedlar; AC - Summa

Preservation: A - HCL; B - HNO_3; C - H_2SO_4 ; D - NaOH; E - Ice; F - (specify)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
Scott Lockingbill	3/11/08	1208	C Lengu				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY LABORATORY: (SIGNATURE)	DATE	TIME	LAB Name and LAB Contact:
C Lengu	3/11/08	1600	[illegible]	3/11/08	18:07	Test America Kevin Colangno

Remarks: Temp 3.5°C

COOLER ID:

SEND RESULTS TO:
☐ FAX Preliminary results: (916) 929-7263 or (916) 922-5008

White - Original to Accompany Samples Yellow - URSG Main Office Pink - URSG Field Office

No. 8347

13, 14, 15 C-ewb/11

ATTACHMENT 7

Data Quality Assessment Summary

Memorandum

Project: Cooper Drum Company

Subject: Data Validation Reports Case No. 37204
Data Quality Assessment Summary

Date: June 17, 2008

From: Tom Beer

Based on review of the data validation reports for Cooper Drum Company Case No. 37204 the conclusions concerning data quality are as follows:

- All field and laboratory QC samples were collected and analyzed as required;
- The data validation and qualification by ICF Consultants appears thorough and acceptable for decision making purposes;
- No data were rejected by the lab or validation contractor based on QC results, and my review supports this conclusion;
- The 1,4-dioxane analyses by CLP Method SOM01.2 Mod. (GC/MS) has valid data with minimal qualification;
- The VOC analyses by CLP Method SOM01.2 (GC/MS) has valid data with significant estimated (J flag) qualification but for noncritical target analytes ;
- All dilutions of samples, reporting of re-analyses, and reporting of elevated detection limits, are justified and acceptable;
- My only comment is that one of the duplicate pairs for 1,4-dioxane had imprecise results of 330/210 ug/L (44% RPD) in samples Y3XJ5 (MW-21) and Y3XJ7 (MW-6) which leads me to question whether these were an actual duplicate pair. If this a true duplicate pair, then both results should be considered estimated (J) due to sampling and/or analytical imprecision. However, all VOC results for these same samples show excellent correlation of less than 10% RPD.
- All other data appear acceptable for decision making purposes with their applied qualifiers (U and J flags).

ATTACHMENT 8

LAUSD Proposed Southeast Learning Center Site Data (Parsons, October 2007)

Job No. (440875)			
Designed	0	10/20/05	CN
Drawn	0	06/20/2007	GLP
Revised	0	06/20/2007	GLP
Checked	0	06/20/2007	TLC
Reviewed	0	06/26/2007	JS
Approved	0	06/26/2007	JG

PARSONS

Pasadena, CA

LAUSD

PROPOSED SOUTH REGION
MIDDLE SCHOOL #4 AND
HIGH SCHOOL #9
SOUTH GATE, CA

WATER LEVELS
IN B & C ZONE WELLS
APRIL, 2007

FIGURE	REV
7	3

w:\lausd\mapfiles\soil\gwp3_bc_gwelev.glp 06/26/07

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
Proposed South Region Middle School #4 and High School #9
South Gate, California

Well ID	Casing Diameter (inches)	Constructed Screen Intervals (feet bgs)	Casing Elevation (feet amsl)	Depth to Groundwater (feet btoc)	Groundwater Level (feet amsl)
001-MW12A	4	29-39	99.01	29.21	69.8
001-MW12C1	4	65-70	99.19	43.15	56.04
001-MW12C2	4	78-88	98.87	42.9	55.97
002-B1/VZ1	4	20-35.5	98.6	29.2	69.4
003-B1/VZ1	4	15-35.5	99.28	29.93	69.35
003-B2/VZ2	4	5-35.5	98.88	29.61	69.27
004-B1/VZ1	4	20-30.5	98.91	29.6	69.31
004-B2/VZ2	2	20-35.5	99.18	29.9	69.28
005-B1/VZ1	4	5-35.5	101.51	32.7	68.81
005-MW1A	4	34.5-39.5	98.85	29.45	69.4
005-MW1B	4	52-62	98.75	37.7	61.05
008-B2/VZ1	4	10-40.5	100.74	29.32	71.42
009-B1/VZ1	4	10-40.5	99.68	30.1	69.58
010-B1/VZ1	4	15-35.5	99.64	30	69.64
011-B1/VZ1	4	20-35.5	100.52	30.67	69.85
011-MW1A	4	31.7-41.7	100.58	30.51	70.07
011-MW1B	4	59-69	100.97	40.01	60.96
011-MW1C		-	101.39	46.31	55.08
012-B1/VZ1	4	5-35.5	98.31	28.16	70.15
014-B1/VZ1	4	5-25	97.94	DRY	97.94
014-MW1A	4	35-40	98.39	28.52	69.87
014-MW1B	2	51-61	98.54	37.26	61.28
014-MW2A	4	35-40	98.51	28.55	69.96
014-MW2B	2	56-61	98.37	36.49	61.88
015-B1/VZ1	4	10-30.5	101.73	31.71	70.02
015-B9/VZ2	4	5-35.5	97.86	28.29	69.57
015-MW1A	4	27.5-42.5	100.21	30.7	69.51
016-B1/VZ1	4	10-35.5	98.05	27.92	70.13
016-B2/VZ2	4	15-35.5	97.67	27.23	70.44
017-MBW4		-	102.96	32.72	70.24
019-B1/VZ1	2	20-35.5	98.73	27.62	71.11
020-B4/VZ2	4	5-35.5	98.31	27.64	70.67
020-B5/VZ5	2	5-19.5	98.04	DRY	98.04
020-B6/VZ4	2	5-20.5	97.98	DRY	97.98
020-MBW2	4	-	101.05	26.51	74.54
020-MBW3	4	-	102.68	31.89	70.79
020-MW1A	4	30-40	96.87	26.47	70.4
020-MW1B	2	55-60	97.19	34.52	62.67
022-B1/VZ1	4	20-35.5	97.81	25.99	71.82
022-B10/VZ9	4	15-30.5	98.51	27	71.51
022-B11/VZ10	4	15-35.5	98.13	28.35	69.78
022-B12/VZ8	4	20-35.5	97.98	27.98	70
022-B15/VZ4A	4	7-47.5	98.65	33.34	65.31
022-B2/VZ2	4	20-40.5	98.55	27.12	71.43
022-B3/VZ3	4	20-35	98.67	26.96	71.71
022-B6/VZ5	4	15-35.5	97.9	23.63	74.27
022-B7/VZ6	4	20-35.5	98.08	27.13	70.95

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
Proposed South Region Middle School #4 and High School #9
South Gate, California

Well ID	Casing Diameter (inches)	Constructed Screen Intervals (feet bgs)	Casing Elevation (feet amsl)	Depth to Groundwater (feet btoc)	Groundwater Level (feet amsl)
022-B8/VZ4	4	15-35.5	98.25	25.87	72.38
022-B9/VZ7	4	20-35.5	98.22	26.97	71.25
022-MW1A	4	30-40	98.51	28.08	70.43
022-MW1B	4	57.5-62.5	98.55	37.71	60.84
022-MW2A	4	29-39	98.71	28.68	70.03
022-MW3A	4	32-42	98.91	28.78	70.13
022-UMW1	4	20-45	98.54	28.41	70.13
022-UMW2	4	30-50	98.2	27.31	70.89
022-UMW3	4	30-48.9	98.53	29.17	69.36
022-UMW4	4	33.09-53.08	101	31.59	69.41
022-UMW6	4	29.82-49.82	97.81	27.4	70.41
023-B1/VZ1	2	25-40.5	99.13	29.56	69.57
024-B1/VZ1	4	10-30.5	98.21	26.92	71.29
026-B3/VZ2	4	20-40	97.8	26.62	71.18
026-B4/VZ3	4	15-35.5	97.6	25.77	71.83
027-B1/VZ1	4	25-40.5	97.74	27.48	70.26
027-B2/VZ2	2	20-35.5	97.54	26.97	70.57
027-B3/VZ3	4	25-40.5	96.99	26.89	70.1
029-B2/VZ1	4	15-35.5	102.23	25.21	77.02
029-B3/VZ2	4	15-35.5	99.04	28.24	70.8
029-B5/VZ3	4	-	102.64	28.11	74.53
029-MW1A	4	29-39	99.33	28.51	70.82
030-B1/VZ1	4	25-40	98.75	26.03	72.72
030-B2/VZ2	2	25-40	97.75	26.11	71.64
030-B3/VZ3	4	15-35.5	98.02	16.51	81.51
031-B1/VZ1	4	10-40	98.4	26.92	71.48
032-B4/VZ2	4	25-40.5	98.13	27.36	70.77
033-B1/VZ1	4	25-40	97.22	27.26	69.96
033-B2/VZ2	4	25-40	99.92	29.81	70.11
033-B3/VZ3	4	25-40	99.06	28.95	70.11
033-B4/VZ4	4	15-35.5	99.63	28.34	71.29
033-B5/VZ5	2	20-35.5	99.87	29.44	70.43
033-MW1A	4	30-40	99.28	29.15	70.13
035-B2/VZ1	4	15-35.5	103.52	32.92	70.6
037-B2/VZ1	4	10-40	99.63	29.91	69.72
038-B4/VZ1	2	5-40	97.86	27.14	70.72
038-B5/VZ2	2	20-40	98.79	28.16	70.63
038-B6/VZ3	4	18-38.5	98.65	27.65	71
039-MW1A	4	30.5-40.5	100.21	30.56	69.65
039-MW1C	4	68.2-78.2	100.68	45.22	55.46
OS-MW1A	4	29-39	97.39	26.56	70.83
OS-MW1B	4	65.75-75.75	97.25	42.39	54.86

TABLE 5
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
(VOCs)
Proposed South Region Middle School #4
and High School #9
South Gate, California

Well ID	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloro-benzene	1,2,3-Trichloro-propane [a]	1,2,3-Trichloro-propane [b]	1,2,4-Trimethyl benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,4-Dioxane
Units MCLs		ug/L 200	ug/L 1	ug/L 5	ug/L 5	ug/L 6	ug/L 6	ug/L 0.005	ug/L 0.005	ug/L 330*	ug/L 0.5	ug/L 5	ug/L 3*
001-MW12A	2/15/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
001-MW12C1	4/6/2007	ND <1.0	ND <1.0	ND <1.0	0.33 J	1.2	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	2
001-MW12C1 (Dup)	4/6/2007	-	-	-	-	-	-	-	-	-	-	-	-
001-MW12C2	4/5/2007	ND <1.0	ND <1.0	ND <1.0	0.38 J	2	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	2.7 J
002-B1/VZ1	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.4	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
003-B1/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
005-B1/VZ1	2/16/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
005-B1/VZ1 (Dup)	2/16/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
005-MW1A	2/16/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	**0.0084**	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
005-MW1B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
008-B2/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
009-B1/VZ1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.2	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
010-B1/VZ1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.1	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
010-B1/VZ1 (Dup)	3/2/2007	-	-	-	-	-	-	-	-	-	-	-	-
011-B1/VZ1	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
011-MW1A	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
011-MW1A (Dup)	3/1/2007	-	-	-	-	-	-	ND <0.005	-	-	-	-	-
011-MW1B	4/6/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	3.3	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	**3.2**
011-MW1B (Dup)	4/6/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	3.6	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	**3.5**
011-MW1C	4/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.68 J	ND (<1.0)	ND <0.005	0.0043 J	ND <1.0	ND <0.5	ND <1.0	1
012-B1/VZ1	2/26/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
014-MW1A	2/26/2007	ND <1.0	ND <1.0	ND <1.0	4.5	3	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
014-MW1B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
014-MW2A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
014-MW2B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
015-B9/VZ2	2/26/2007	-	-	-	-	-	-	-	**7**	-	-	-	-
015-MW1A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
015-MW1A (Dup)	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
016-B1/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
016-B2/VZ2	2/22/2007	0.51 J	ND <1.0	ND <1.0	0.7 J	4	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
017-MBW4	2/16/2007	-	-	-	-	-	-	-	-	-	-	-	-
019-B1/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
020-MBW2	3/5/2007	**620**	ND <1.0	0.36 J	**68**	**500**	ND (<1.0)	-	ND <1.0	ND <1.0	**0.51**	ND <1.0	**290**
020-MBW2 (Dup)	3/5/2007	50	ND <1.0	0.42 J	**70**	**47**	ND (<1.0)	-	ND <1.0	ND <1.0	**0.5**	ND <1.0	**270**
020-MW1A	3/5/2007	130	ND <1.0	ND <1.0	**110**	**2400**	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	0.48 J	ND <1.0	**800**
020-MW1B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	0.58 J	1.9	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	**7.2**
022-B10/VZ9	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-B11/VZ10	2/23/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-B2/VZ2	2/16/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-B3/VZ3	2/16/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-B7/VZ6	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-B9/VZ7	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-MW1A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	2.2	ND (<1.0)	0.0047 J	ND <1.0	ND <1.0	ND <0.5	ND <1.0	1.2 J
022-MW1B	4/5/2007	ND <1.0	ND <1.0	ND <1.0	2.2	3.5	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	**12**
022-MW2A	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0

TABLE 5
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
(VOCs)
Proposed South Region Middle School #4
and High School #9
South Gate, California

Well ID	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloro-benzene	1,2,3-Trichloro-propane	1,2,3-Trichloro-propane	1,2,4-Trimethyl benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,4-Dioxane
Units MCLs		ug/L 200	ug/L 1	ug/L 5	ug/L 5	ug/L 6	ug/L -	ug/L 0.005	- -	ug/L 330*	ug/L 0.5	- -	ug/L 3
022-MW3A	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.48 J	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	1.1 J
022-MW3A (Dup)	3/1/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-UMW1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-UMW2	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-UMW2 (Dup)	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-UMW3	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.51 J	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-UMW4	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.46 J	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
022-UMW6	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
026-B3/VZ2	2/28/2007	-	-	-	-	-	-	-	-	-	-	-	-
026-B4/VZ3	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
026-B4/VZ3 (Dup)	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
027-B1/VZ1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
027-B1/VZ1 (Dup)	3/2/2007	-	-	-	-	-	-	-	-	-	-	-	-
027-B2/VZ2	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
027-B2/VZ2 (Dup)	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
027-B3/VZ3	2/22/2007	-	-	-	-	-	-	-	-	-	-	-	-
029-B2/VZ1	2/13/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
029-B3/VZ2	2/13/2007	-	-	-	-	-	-	-	-	-	-	-	-
029-B5/VZ3	2/13/2007	-	-	-	-	-	-	-	-	-	-	-	-
029-MW1A	2/14/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
030-B1/VZ1	2/26/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
030-B3/VZ3	2/26/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	-
033-B1/VZ1	2/15/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B2/VZ2	2/15/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B3/VZ3	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B4/VZ4	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B5/VZ5	2/26/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-MW1A	2/15/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
035-B2/VZ1	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
035-B2/VZ1 (Dup)	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
037-B2/VZ1	2/14/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
038-B4/VZ1	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
038-B5/VZ2	2/13/2007	0.78 J	ND <1.0	ND <1.0	0.51 J	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	2.8
038-B6/VZ3	2/14/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
039-MW1A	2/15/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	**11**
039-MW1C	4/5/2007	ND <1.0	ND <1.0	ND <1.0	1.6	1.2	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
OS-MW1A	3/1/2007	ND <1.0	ND <1.0	ND <1.0	0.65 J	0.54 J	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
OS-MW1A (Dup)	3/1/2007	ND <1.0	ND <1.0	ND <1.0	0.69 J	0.61 J	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
OS-MW1B	4/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND (<1.0)	ND <0.005	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0
OS-MW2A	4/19/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.95 J	ND (<1.0)	-	ND <1.0	ND <1.0	ND <0.5	ND <1.0	ND <2.0

TABLE 5
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
(VOCs)
Proposed South Region Middle School #4
and High School #9
South Gate, California

Well ID	Sample Date	2-Butanone (MEK)	Acetone	Benzene	Bromo-dichloro -methane	Carbon Disulfide	Carbon tetra-chloride	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloroethene	m,p-Xylenes	Methylene chloride
Units MCL		ug/L -	ug/L -	ug/L 1	ug/L -	ug/L 160*	ug/L 0.5	ug/L -	ug/L 80	ug/L -	ug/L 6	ug/L 1750	ug/L -
001-MW12A	2/15/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
001-MW12C1	4/6/2007	ND <10	7.9 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**240**	ND <1.0	ND <5.0
001-MW12C1 (Dup)	4/6/2007	-	-	-	-	-	-	-	-	-	-	-	-
001-MW12C2	4/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**1500**	ND <1.0	ND <5.0
002-B1/VZ1	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**11**	ND <1.0	ND <5.0
003-B1/VZ1	2/22/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.1 J
005-B1/VZ1	2/16/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
005-B1/VZ1 (Dup)	2/16/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
005-MW1A	2/16/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
005-MW1B	4/4/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
008-B2/VZ1	2/22/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
009-B1/VZ1	3/2/2007	ND <10	4.6 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**11**	ND <1.0	ND <5.0
010-B1/VZ1	3/2/2007	ND <10	6 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**7**	ND <1.0	ND <5.0
010-B1/VZ1 (Dup)	3/2/2007	-	-	-	-	-	-	-	-	-	-	-	-
011-B1/VZ1	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	1.9	ND <1.0	ND <5.0
011-MW1A	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**19**	ND <1.0	ND <5.0
011-MW1A (Dup)	3/1/2007	-	-	-	-	-	-	-	-	-	-	-	-
011-MW1B	4/6/2007	ND <10	6.7 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**77**	ND <1.0	ND <5.0
011-MW1B (Dup)	4/6/2007	ND <10	5.8 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**81**	ND <1.0	ND <5.0
011-MW1C	4/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**930**	ND <1.0	ND <5.0
012-B1/VZ1	2/26/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
014-MW1A	2/26/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
014-MW1B	4/4/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
014-MW2A	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
014-MW2B	4/4/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
015-B9/VZ2	2/26/2007	-	-	-	-	-	-	-	-	-	-	-	-
015-MW1A	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
015-MW1A (Dup)	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
016-B1/VZ1	2/22/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
016-B2/VZ2	2/22/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	9.2	ND <1.0	ND <1.0	ND <1.0	ND <5.0
017-MBW4	2/16/2007	-	-	-	-	-	-	-	-	-	-	-	-
019-B1/VZ1	2/22/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	57	ND <1.0	ND <1.0	ND <1.0	ND <5.0
020-MBW2	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
020-MBW2 (Dup)	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
020-MW1A	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
020-MW1B	4/4/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
022-B10/VZ9	2/23/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
022-B11/VZ10	2/23/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-B2/VZ2	2/16/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-B3/VZ3	2/16/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-B7/VZ6	2/28/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
022-B9/VZ7	2/28/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
022-MW1A	3/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**8.8**	ND <1.0	ND <5.0
022-MW1B	4/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**8.2**	ND <1.0	ND <5.0
022-MW2A	2/23/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0

TABLE 5
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
(VOCs)
Proposed South Region Middle School #4
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South Gate, California

Well ID	Sample Date	2-Butanone (MEK)	Acetone	Benzene	Bromo-dichloro -methane	Carbon Disulfide	Carbon tetra-chloride	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloroethene	m,p-Xylenes	Methylene chloride
Units MCL		ug/L -	ug/L -	ug/L 1	ug/L -	ug/L 160*	ug/L 0.5	ug/L -	ug/L 80	ug/L -	ug/L 6	ug/L 1750	ug/L -
022-MW3A	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	1.6	ND <1.0	ND <5.0
022-MW3A (Dup)	3/1/2007	-	-	-	-	-	-	-	-	-	-	-	-
022-UMW1	3/2/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	0.55 J	ND <1.0	ND <1.0	ND <1.0	ND <5.0
022-UMW2	2/28/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	0.7 J	ND <1.0	ND <5.0
022-UMW2 (Dup)	2/28/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	0.8 J	ND <1.0	ND <5.0
022-UMW3	3/2/2007	ND <10	7.3 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	2.4	ND <1.0	ND <5.0
022-UMW4	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	1.1	ND <1.0	ND <5.0
022-UMW6	2/28/2007	ND <10	15	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	4.9	ND <1.0	ND <5.0
026-B3/VZ2	2/28/2007	-	-	-	-	-	-	-	-	-	-	-	-
026-B4/VZ3	2/23/2007	ND <10	8.6 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
026-B4/VZ3 (Dup)	2/23/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
027-B1/VZ1	3/2/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	0.39 J	ND <1.0	2.4	ND <1.0	ND <5.0
027-B1/VZ1 (Dup)	3/2/2007	-	-	-	-	-	-	-	-	-	-	-	-
027-B2/VZ2	2/28/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	0.93 J	ND <1.0	ND <5.0
027-B2/VZ2 (Dup)	2/28/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	0.87 J	ND <1.0	ND <5.0
027-B3/VZ3	2/22/2007	-	-	-	-	-		-	-	-	-	-	-
029-B2/VZ1	2/13/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
029-B3/VZ2	2/13/2007	-	-	-	-	-	-	-	-	-	-	-	-
029-B5/VZ3	2/13/2007	-	-	-	-	-	-	-	-	-	-	-	-
029-MW1A	2/14/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
030-B1/VZ1	2/26/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
030-B3/VZ3	2/26/2007	ND <10	5.1 J	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
033-B1/VZ1	2/15/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B2/VZ2	2/15/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B3/VZ3	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B4/VZ4	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-B5/VZ5	2/26/2007	-	-	-	-	-	-	-	-	-	-	-	-
033-MW1A	2/15/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
035-B2/VZ1	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
035-B2/VZ1 (Dup)	2/14/2007	-	-	-	-	-	-	-	-	-	-	-	-
037-B2/VZ1	2/14/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
038-B4/VZ1	2/23/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
038-B5/VZ2	2/13/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
038-B6/VZ3	2/14/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
039-MW1A	2/15/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
039-MW1C	4/5/2007	ND <10	ND <25.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	**41**	ND <1.0	ND <5.0
OS-MW1A	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
OS-MW1A (Dup)	3/1/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <5.0
OS-MW1B	4/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	1.8	ND <1.0	ND <5.0
OS-MW2A	4/5/2007	ND <10	ND <10.0	ND <0.5	ND <1.0	ND <5.0	ND <0.5	ND <1.0	ND <1.0	ND <1.0	4.3	ND <1.0	ND <5.0

TABLE 5
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
(VOCs)
Proposed South Region Middle School #4
and High School #9
South Gate, California

Well ID	Sample Date	Methyl-tert-butyl Ether (MTBE)	Naphthalene	tert-Amyl Methyl Ether (TAME)	Tetrachloro-ethene	trans-1,2-Dichloroethene	Trichloro-ethene	Vinyl chloride	Xylenes, Total
Units MCL		ug/L 13	ug/L 17*	ug/L -	ug/L 5	ug/L 10	ug/L 5	ug/L 0.5	ug/L 1750
001-MW12A	2/15/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
001-MW12C1	4/6/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	**17**	**740**	**0.62**	ND <1.5
001-MW12C1 (Dup)	4/6/2007	-	-	-	-	-	-	-	-
001-MW12C2	4/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	**75**	**180**	**1.1**	ND <1.5
002-B1/VZ1	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.83 J	**44**	ND <0.5	ND <1.5
003-B1/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	3.1	ND <0.5	ND <1.5
005-B1/VZ1	2/16/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
005-B1/VZ1 (Dup)	2/16/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
005-MW1A	2/16/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
005-MW1B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
008-B2/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	0.54 J	ND <1.0	4.4	ND <0.5	ND <1.5
009-B1/VZ1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.4	**110**	ND <0.5	ND <1.5
010-B1/VZ1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.68 J	**56**	ND <0.5	ND <1.5
010-B1/VZ1 (Dup)	3/2/2007	-	-	-	-	-	-	-	-
011-B1/VZ1	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	**62**	ND <0.5	ND <1.5
011-MW1A	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	3	**190**	ND <0.5	ND <1.5
011-MW1A (Dup)	3/1/2007	-	-	-	-	-	-	-	-
011-MW1B	4/6/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	7.4	**790**	**0.61**	ND <1.5
011-MW1B (Dup)	4/6/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	7.6	**650**	**0.68**	ND <1.5
011-MW1C	4/5/2007	ND <1.0	-	ND <1.0	ND <1.0	**46**	**62**	0.43	ND <1.5
012-B1/VZ1	2/26/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.5	ND <0.5	ND <1.5
014-MW1A	2/26/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.2	ND <0.5	ND <1.5
014-MW1B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
014-MW2A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
014-MW2B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
015-B9/VZ2	2/26/2007	-	-	-	-	-	-	-	-
015-MW1A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
015-MW1A (Dup)	3/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
016-B1/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	2.4	ND <1.0	3.8	ND <0.5	ND <1.5
016-B2/VZ2	2/22/2007	ND <1.0	ND <1.0	ND <1.0	**8.9**	ND <1.0	3.8	ND <0.5	ND <1.5
017-MBW4	2/16/2007	-	-	-		-	-	-	-
019-B1/VZ1	2/22/2007	ND <1.0	ND <1.0	ND <1.0	0.83 J	ND <1.0	**5.6**	ND <0.5	ND <1.5
020-MBW2	3/5/2007	ND <1.0	ND <1.0	ND <1.0	**8**	ND <1.0	1	ND <0.5	ND <1.5
020-MBW2 (Dup)	3/5/2007	ND <1.0	ND <1.0	ND <1.0	**8.3**	ND <1.0	0.94 J	ND <0.5	ND <1.5
020-MW1A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	1.7 J	ND <1.0	ND <4.0	**1.6**	ND <1.5
020-MW1B	4/4/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
022-B10/VZ9	2/23/2007	ND <1.0	ND <1.0	ND <1.0	1.7	ND <1.0	1.8	ND <0.5	ND <1.5
022-B11/VZ10	2/23/2007	-	-	-	-	-	-	-	-
022-B2/VZ2	2/16/2007	-	-	-	-	-	-	-	-
022-B3/VZ3	2/16/2007	-	-	-	-	-	-	-	-
022-B7/VZ6	2/28/2007	ND <1.0	ND <1.0	ND <1.0	**6.7**	ND <1.0	1	ND <0.5	ND <1.5
022-B9/VZ7	2/28/2007	ND <1.0	ND <1.0	ND <1.0	2.4	ND <1.0	0.74 J	ND <0.5	ND <1.5
022-MW1A	3/5/2007	ND <1.0	ND <1.0	ND <1.0	**2800**	2.6	**470**	ND <0.5	ND <1.5
022-MW1B	4/5/2007	ND <1.0	ND <1.0	ND <1.0	0.41 J	0.45 J	3.2	**2.4**	ND <1.5
022-MW2A	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.9 J	ND <0.5	ND <1.5

TABLE 5
RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
(VOCs)
Proposed South Region Middle School #4
and High School #9
South Gate, California

Well ID	Sample Date	Methyl-tert-butyl Ether (MTBE)	Naphthalene	tert-Amyl Methyl Ether (TAME)	Tetrachloro-ethene	trans-1,2-Dichloroethene	Trichloro-ethene	Vinyl chloride	Xylenes, Total
Units MCL		ug/L 13	ug/L 17*	ug/L -	ug/L 5	ug/L 10	ug/L 5	ug/L 0.5	ug/L 1750
022-MW3A	3/1/2007	ND <1.0	ND <1.0	ND <1.0	**34**	0.4 J	**43**	ND <0.5	ND <1.5
022-MW3A (Dup)	3/1/2007	-	-	-	-	-	-	-	-
022-UMW1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	**51**	ND <1.0	4.8	ND <0.5	ND <1.5
022-UMW2	2/28/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	2.7	ND <0.5	ND <1.5
022-UMW2 (Dup)	2/28/2007	ND <1.0	ND <1.0	ND <1.0	0.41 J	ND <1.0	2.9	ND <0.5	ND <1.5
022-UMW3	3/2/2007	ND <1.0	ND <1.0	ND <1.0	**21**	0.28 J	**53**	ND <0.5	ND <1.5
022-UMW4	3/1/2007	ND <1.0	ND <1.0	ND <1.0	**25**	0.34 J	**25**	ND <0.5	ND <1.5
022-UMW6	2/28/2007	ND <1.0	ND <1.0	ND <1.0	**41**	0.31 J	**14**	ND <0.5	ND <1.5
026-B3/VZ2	2/28/2007	-	-	-	-	-	-	-	-
026-B4/VZ3	2/23/2007	ND <1.0	ND <1.0	ND <1.0	1.6	ND <1.0	1.8	ND <0.5	ND <1.5
026-B4/VZ3 (Dup)	2/23/2007	ND <1.0	ND <1.0	ND <1.0	1.4	ND <1.0	1.7	ND <0.5	ND <1.5
027-B1/VZ1	3/2/2007	ND <1.0	ND <1.0	ND <1.0	**460**	ND <1.0	**69**	ND <0.5	ND <1.5
027-B1/VZ1 (Dup)	3/2/2007	-	-	-	-	-	-	-	-
027-B2/VZ2	2/28/2007	ND <1.0	ND <1.0	ND <1.0	3.4	ND <1.0	1.8	ND <0.5	ND <1.5
027-B2/VZ2 (Dup)	2/28/2007	ND <1.0	ND <1.0	ND <1.0	3.4	ND <1.0	1.7	ND <0.5	ND <1.5
027-B3/VZ3	2/22/2007	-	-	-	-	-	-	-	-
029-B2/VZ1	2/13/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
029-B3/VZ2	2/13/2007	-	-	-	-	-	-	-	-
029-B5/VZ3	2/13/2007	-	-	-	-	-	-	-	-
029-MW1A	2/14/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
030-B1/VZ1	2/26/2007	ND <1.0	1.6	ND <1.0	3.3	ND <1.0	0.6 J	ND <0.5	ND <1.5
030-B3/VZ3	2/26/2007	ND <1.0	ND <1.0	ND <1.0	0.41 J	ND <1.0	ND <1.0	ND <0.5	ND <1.5
033-B1/VZ1	2/15/2007	-	-	-	-	-	-	-	-
033-B2/VZ2	2/15/2007	-	-	-	-	-	-	-	-
033-B3/VZ3	2/14/2007	-	-	-	-	-	-	-	-
033-B4/VZ4	2/14/2007	-	-	-	-	-	-	-	-
033-B5/VZ5	2/26/2007	-	-	-	-	-	-	-	-
033-MW1A	2/15/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
035-B2/VZ1	2/14/2007	-	-	-	-	-	-	-	-
035-B2/VZ1 (Dup)	2/14/2007	-	-	-	-	-	-	-	-
037-B2/VZ1	2/14/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
038-B4/VZ1	2/23/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.3	ND <0.5	ND <1.5
038-B5/VZ2	2/13/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
038-B6/VZ3	2/14/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
039-MW1A	2/15/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
039-MW1C	4/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	6.1	**850**	0.4 J	ND <1.5
OS-MW1A	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.5	ND <1.5
OS-MW1A (Dup)	3/1/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.27 J	ND <0.5	ND <1.5
OS-MW1B	4/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	2.9	ND <0.5	ND <1.5
OS-MW2A	4/5/2007	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.53 J	**27**	ND <0.5	ND <1.5

NOTES
MCL = Maximum Contaminant Level; Lower of Department of Health Services (DHS; www.dhs.ca.gov/ps/ddwem/chemicals/default.htm) USEPA (2006) MCL.
µg/L = Micrograms per Liter
J = Estimated concentration
ND = Not detected (at indicated reporting limit)
Dup = Field duplicate
"-" = Sample not collected/analyzed
Bold = Concentration exceeds corresponding MCL
* = California DHS notification level

[a/] These 1,2,3-TCP analyses were performed using USEPA Method 8260B, with the exception of 015-B9/VZ2 which was analyzed via USEPA Method 524.2. The nominal reporting limit for these methods was 1 µg/L.
[b/] These 1,2,3-TCP analyses were performed using USEPA Method 524.2 SIM (or "selected ion mode"), with a nominal reporting limit of 0.005 µg/L.

ATTACHMENT 9

Non-VOC Analytical Groundwater Data

TABLE A8-1

Non-VOC MNA Parameters, Cooper Drum Company

Location	MW-1					MW-2										
Date:	**May-03**	**Jan-04**	**Nov-04**	**Aug-06**	**Mar-08**	**May-03**	**Dec-03**	**Feb-04**	**Apr-04**	**Jul-04**	**Nov-04**	**Apr-05**	**Nov-05**	**Mar-06**	**Aug-06**	**Mar-08**
D.O. (mg/L)	1.17	0.17	1.73	0.41	0.25	0.06	0	0.05	0	1.63	2.48	0.36	0.31	3.94	0.42	0.3
ORP (mV)	445	-86	-124	-74.9	-275	455	-132	-185	-208	-107	-335	-141	-357.2	-120	-145	-119
Temp. (C)	23.4	22	22.81	22.43	21.81	21.9	22.1	22	22.7	22.9	23.3	22.3	21.9	19.8	23	21.98
pH	6.91	7.01	6.86	7.16	7.16	6.96	6.82	6.81	6.82	6.91	6.76	7.1	7.3	7.11	7.1	7.98
Ferrous Iron (mg/L)	0.5	0.6	0.6	0.6	1.0	1.8	1.9	1.7	2.1	NS	2.0	1.8	2.4	2.0	2.0	1.4
TOC (mg/L)		2.9	29	6.1			17	23	42	56	34	38	22		18	
sulfide (mg/L)	0	<1	<1			0	0.61	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity (mg/L)			1000	1000			1000	1100	1100	1100	1100	1000	1100	1100	1000	950
chloride (mg/L)	140	130	140	140		320	340	360	360	360	350	320	320	310	250	230
nitrate (mg/L)	0	<0.1	<0.1	<0.1		0	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1
sulfate (mg/L)	1600	1400	1300	1100		5800	5800	6400	5900	6100	5900	5100	5600	5400	5000	4900
calcium (mg/L)				182			360	370	360	370	379	410	320		337	
total iron (mg/L)				0.47			1.9	1.9	2.00	2.00	2.5	2	1.5		2.37	
magnesium (mg/L)				104			460	460	470	470	470	400	440		369	
manganese (mg/L)				1.78			5.7	5.5	5.6	5.6	5.4	5.4	4.8		5.04	
potassium (mg/L)				5.51			16	16	16	16	16	14	15		20.7	
sodium (mg/L)				526			1900	1800	2000	1800	1900	1900	2000		1550	
ethene (ng/L)	0	<1300	<200			0	860	1400	<10,000	880	680J	600	<1000	1100	3400	13000
ethane (ng/L)	0	<1200	<200			0	64	130	<10,000	<600	<200	<1100	<1100	<1100	<1100	<1100
methane (ug/L)	7.2	9.9	8.7			31	68	75	41	34	470DL	5000	8900	12000	5900	9300
TDS (mg/L)			3000				10000			10000	10000	9000	8700			7700
BOD (mg/L)							11									
boron (mg/L)				1.04			0.49	0.52	0.49	0.51	0.56	0.53	0.52		0.645	
hydrogen (nM)							2.3	NM	<31.5					1.7		
CO_2 (mg/L)							99	120	17	210	88	180	180	170		
lactic acid (mg/L)							<25	<0.35	<0.1	<0.5	<0.5	<0.5	1.19	1.17		
acetic acid (mg/L)							<1.0	<0.35	<0.1	3.81	5.19	1.07	0.915	1.19		
propionic acid (mg/L)							<1.0	<0.35	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5		
butyric acid (mg/L)							<1.0	<0.07	<0.1	<0.5	<0.5	<0.5	<0.5	0.47J		
pyruvic acid (mg/L)							<10	<0.07	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5		
i-pentanoic acid (mg/L)								<0.07	<0.1							
n-pentanoic acid (mg/L)								<0.07	<0.1							
i-hexanoic acid (mg/L)								<0.1	<0.1							
n-hexanoic acid (mg/L)								<0.1	<0.1							
n-heptanoic acid (mg/L)									<0.1							

TABLE A9-1 (Continued)

Location	MW-3					MW-4					MW-5									
Date:	May-03	Jan-04	Jul-04	Aug-06	Mar-08	May-03	Jan-04	Nov-04	Aug-06	Mar-08	May-03	Dec-03	Feb-04	Apr-04	Jul-04	Nov-04	Apr-05	Nov-05	Aug-06	Mar-08
D.O. (mg/L)	1.45	0.06	1.2	0.27	0.72	2.38	0.02	2.16	0.27	0.3	1.38	1.07	1.96	1.58	2.63	2.78	2.09	1	2.25	0.48
ORP (mV)	480	-97	-166	-187.2	35.8	463	-109	-142	-113.4	-204	496	93	200	163	-23	8	80	-333.2	-3	-270
Temp. (C)	24.4	21.7	25.2	25.43	18.76	23	21.6	23.49	23.31	20.83	21.3	21.2	21.5	22	22.3	22.1	21	21.12	22.5	21.2
pH	7.03	7.23	7.03	7.42	7.19	6.82	6.87	6.94	7.2	7.01	7.07	7.38	7.38	7.4	7.09	7.26	7.5	7.6	7.34	7.25
Ferrous Iron (mg/L)	0.0	0.0	0.4	0.0	0.1	2.5	2.2	2.2	2.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
TOC (mg/L)		2		4.6			20	29	11			16	23	32	51	50	40	32	20	
sulfide (mg/L)	0	<1	<1			0	<1	<1			0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Alkalinity (mg/L)			590	540				1000	1000			1200	1200	1100	1300	1300	1300	1400	1500	
chloride (mg/L)	34	40	44	47		230	200	200	220		100	92	95	86	91	100	100	100	98	
nitrate (mg/L)	0	<0.1	<0.1	<0.1		0	<0.1	<0.1	<0.1		2.1	3.1	4.1	3.8	3.4	3.1	3.7	0.51	0.88	
sulfate (mg/L)	100	120	120	140		9600	9600	9300	8500		430	360	360	330	330	360	350	300	340	
calcium (mg/L)				49.8					383			34	34	32	32	33	36	36	43.2	
total iron (mg/L)				0.367					2.99			<0.1	<0.1	<0.1	<0.1	<0.1	0.084J	<0.1	0.054J	
magnesium (mg/L)				17.9					589			25	27	26	25	26	26	23	29.4	
manganese (mg/L)				0.606					6.29			0.66	0.44	0.44	0.45	0.7	2.2	0.4	1.69	
potassium (mg/L)				4.57					33.4			4.4	5.5	5.00	5.00	4.90	4.70	5.2	5.77	
sodium (mg/L)				237					2310			6600	6000	680	650	660	740	810	713	
*ethene (ng/L)	0	<1300				0	<1300	<200			0	140	86	<10000	<200	<600	<1000	900J		
ethane (ng/L)	0	<1200				0	<1200	<200			0	31	24	<10000	<200	<600	<1100	<1100		
methane (ug/L)	14	1400				12	15	14			4.3	27	6	8	4.8	3	5.9	250		
TDS (mg/L)			890					14000				2100			2100	2100	2000	2100		
BOD (mg/L)												6								
boron (mg/L)				5.06					0.534			1.5	1.7	1.5	1.6	1.6	1.5	1.4	2.04	
hydrogen (nM)												0.38	NM	<40						
CO_2 (mg/L)												58	61	7.73	79	150	110	140		
lactic acid (mg/L)												<25	<0.07	2.3	<0.1	<0.5	<0.5	<0.5		
acetic acid (mg/L)												<1.0	<0.07	<0.1	0.6	47.4	0.844	0.575		
propionic acid (mg/L)												<1.0	<0.07	<0.1	<0.1	<0.5	<0.5	<0.5		
butyric acid (mg/L)												<1.0	<0.07	<0.1	<0.5	<0.5	<0.5	<0.5		
pyruvic acid (mg/L)												<10	<0.07	<0.1	<0.1	<0.5	<0.5	<0.5		
i-pentanoic acid (mg/L)													<0.07	<0.1						
n-pentanoic acid (mg/L)													<0.07	<0.1						
i-hexanoic acid (mg/L)													<0.1	<0.1						
n-hexanoic acid (mg/L)													<0.1	<0.1						
n-heptanoic acid (mg/L)														<0.1						

TABLE A9-1 (Continued)

Location	MW-8			MW-10					MW-12			MW-15					MW-16				
Date:	Jan-04	Aug-06	Mar-08	May-03	Jan-04	Nov-04	Aug-06	Mar-08	May-03	Jan-04	Mar-08	May-03	Jan-04	Jul-04	Aug-06	Mar-08	May-03	Jan-04	Nov-04	Aug-06	Mar-08
D.O. (mg/L)	0.73	0.76	0.93	0.12	0.01	1.71	0.22	0.56		0.29	0.31	1.06	0.37	1.3	0.89	0.26	0.3	0.31	2.04	0.46	0.45
ORP (mV)	71	68.3	-79	552	-123	-229	-102.8	-144		5	-18.8	607	-131	-60	-230.6	-410	368	-106	-207	-291	-344
Temp. (C)	23.9	23.78	22.61	22.6	22.4	23.37	23.84	22.11		23.8	22.64	22.2	22.4	23.1	22.9	22.74	22	22.2	22.25	22.4	21.8
pH	7.12	7.26	7.19	6.97	6.99	6.84	7.26	7.13		7.09	7.03	6.92	6.95	6.64	7.3	7.01	7.08	7.29	6.98	7.5	7.09
Ferrous Iron (mg/L)	0.0	0.0	0.0	2.3	2.4	2.8	2.0	1.8	0.0	0.0	0.0	3.4	2.6	2.3	3.1	2.8	0.0	0.1	0.0	0.2	0.0
TOC (mg/L)	<2				1.7	15				1.6			10		6						
sulfide (mg/L)	<1			0	<1	<1			0	<1		0	<1				0				
Alkalinity (mg/L)						820								850	740						
chloride (mg/L)	55			150	97	110			140	88		840	410	490	350		250				
nitrate (mg/L)	1.2			0.16	0.05	<0.1			0.69	0.09		0	<0.1	<0.1	<0.1		0				
sulfate (mg/L)	230			3200	2300	3700			1100	330		2900	3200	2800	2100		490				
calcium (mg/L)															293						
total iron (mg/L)															3.63						
magnesium (mg/L)															192						
manganese (mg/L)															4.2						
potassium (mg/L)															14						
sodium (mg/L)															763						
*ethene (ng/L)				0		<200			0			0					0				
ethane (ng/L)				0		<200			0			0					0				
methane (ug/L)				13		24			10			22					8.3				
TDS (mg/L)						5400								5700							
BOD (mg/L)																					
boron (mg/L)															0.722						
hydrogen (nM)																					
CO_2 (mg/L)																					
lactic acid (mg/L)																					
acetic acid (mg/L)																					
propionic acid (mg/L)																					
butyric acid (mg/L)																					
pyruvic acid (mg/L)																					
i-pentanoic acid (mg/L)																					
n-pentanoic acid (mg/L)																					
i-hexanoic acid (mg/L)																					
n-hexanoic acid (mg/L)																					
n-heptanoic acid (mg/L)																					

TABLE A9-1 (Continued)

Location	MW-17					MW-18				MW-19				
Date:	May-03	Jan-04	Nov-04	Aug-06	Mar-08	May-03	Jan-04	Aug-06	Mar-08	May-03	Jan-04	Jul-04	Aug-06	Mar-08
D.O. (mg/L)	1.34	0.43	2.19	0.68	0.23	0.63	0	0.23	0.3	0	0.3	2.43	0.22	0.2
ORP (mV)	397	-139	-214	-309.9	-191	390	-137	-151	-226	551	-136	-113	-149.9	-272
Temp. (C)	21.6	22.6	23.38	23.25	21.95	21.3	21.4	23.24	21.1	22.1	22.5	27.2	23.7	22.53
pH	6.88	6.87	6.73	7.4	6.97	6.9	6.99	7.23	7.06	7.01	6.96	7.11	7.08	7
Ferrous Iron (mg/L)	5.0	3.6	2.3	4.2	4.0	2.1	2.0	0.6	1.0	3.4	2.2	2.3	3.5	3.4
TOC (mg/L)		5.3	17	8							8.9		6.4	
sulfide (mg/L)	0	<1	<1			0					<1	<1		
Alkalinity (mg/L)			780	790								670	650	
chloride (mg/L)	320	310	280	220		560				250	230	240	200	
nitrate (mg/L)	0	<0.1	<0.1	<0.1		0				0	<0.1	<0.1	<0.1	
sulfate (mg/L)	7000	7100	6600	6300		2200				2800	2700	2600	2900	
calcium (mg/L)				354									462	
total iron (mg/L)				6.77									4.66	
magnesium (mg/L)				470									197	
manganese (mg/L)				7.89									4.08	
potassium (mg/L)				23.8									13.6	
sodium (mg/L)				1870									726	
*ethene (ng/L)	0		<200			0				0				
ethane (ng/L)	0		<200			0				0				
methane (ug/L)	3.8		6.5			20				24				
TDS (mg/L)			11000									4900		
BOD (mg/L)														
boron (mg/L)				2.17									5.08	
hydrogen (nM)														
CO_2 (mg/L)														
lactic acid (mg/L)														
acetic acid (mg/L)														
propionic acid (mg/L)														
butyric acid (mg/L)														
pyruvic acid (mg/L)														
i-pentanoic acid (mg/L)														
n-pentanoic acid (mg/L)														
i-hexanoic acid (mg/L)														
n-hexanoic acid (mg/L)														
n-heptanoic acid (mg/L)														

TABLE A9-1 (Continued)

Location	MW-20											MW-20B	
Date:	May-03	Dec-03	Feb-04	Apr-04	Jul-04	Nov-04	Apr-05	Nov-05	Mar-06	Aug-06	Mar-08	Aug-06	Mar-08
D.O. (mg/L)	0.21	0	0.21	0.79	1.47	1.84	0.24	1.6	3.66	1	0.95	0.6	0.41
ORP (mV)	501	-72	-82	-89	-135	-133	-49	18.8	167	-291	75.3	-381.6	-113
Temp. (C)	22.4	21.8	21.8	28.4	23.9	23.2	22.4	22.48	22.03	24.68	22.11	23.24	21.89
pH	6.93	6.83	6.74	6.99	7.05	6.85	7.1	7.43	7.44	7.8	6.92	8.4	6.96
Ferrous Iron (mg/L)	1.0	0.9	1.0	1.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0	2.2	3.0
TOC (mg/L)		7.1	14	26	32	18	25	7.1		7		5.9	
sulfide (mg/L)	0	0.57	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Alkalinity (mg/L)		820	900	850	930	910	940	770	600	590		840	
chloride (mg/L)	440	410	420	430	410	440	470	310	310	400		110	
nitrate (mg/L)	0	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	3.5A3	12	8.2		<0.1	
sulfate (mg/L)	2500	2300	2400	2300	2300	2500	2700	1900	1900	2400		4600	
calcium (mg/L)		530	570	600	490	590	610	327	342	459		301	
total iron (mg/L)		0.71	0.83	0.72	0.64	0.92	0.77	<0.1	<0.1	2.74		3.04	
magnesium (mg/L)		220	240	240	210	240	230	152	148	242		329	
manganese (mg/L)		3.7	3.9	3.9	3.5	3.9	4.2	0.307	4.57	0.915		3.58	
potassium (mg/L)		11	12	12	10	12	12	17	16.9	15.9		20.7	
sodium (mg/L)		550	520	580	530	610	710	790	631	481		1420	
*ethene (ng/L)	0	340	540	<10000	<600	<200	<1000	<1000		<1000			
ethane (ng/L)	0	33	76	<10000	<600	<200	<1100	<1100		<1100			
methane (ug/L)	23	33	49	39	28	29	31	40		31			
TDS (mg/L)		4900			5200	5100	5100	4000					
BOD (mg/L)		<2											
boron (mg/L)		0.69	0.73	0.65	0.64	0.74	0.72					0.517	
hydrogen (nM)		1.4	NM	<40									
CO_2 (mg/L)		0.55	110	16.2	150	140	150	72					
lactic acid (mg/L)		<25	<0.07	<0.1	<0.1	<0.5	<0.5	<0.5	NA				
acetic acid (mg/L)		<1.0	0.043	<0.1	0.733	38.7	0.857	<0.5	NA				
propionic acid (mg/L)		<1.0	<0.07	<0.1	<0.1	<0.5	<0.5	<0.5	NA				
butyric acid (mg/L)		<1.0	<0.07	<0.1	<0.5	<0.5	<0.5	<0.5	NA				
pyruvic acid (mg/L)		<10	<0.07	<0.1	<0.1	<0.5	<0.5	<0.5	NA				
i-pentanoic acid (mg/L)			<0.07	<0.1									
n-pentanoic acid (mg/L)			<0.07	<0.1									
i-hexanoic acid (mg/L)			<0.1	<0.1									
n-hexanoic acid (mg/L)			<0.1	<0.1									
n-heptanoic acid (mg/L)													

TABLE A9-1 (Continued)

Location	MW-21										MW-22				MW-23			
Date:	Dec-03	Feb-04	Apr-04	Jul-04	Nov-04	Apr-05	Nov-05	Mar-06	Aug-06	Mar-08	Jan-04	Nov-04	Aug-06	Mar-08	Jan-04	Nov-04	Aug-06	Mar-08
D.O. (mg/L)	0	0.26	0.02	1.26	2.04	0.05	0.58	0.26	0.14	0.29	0.47	1.7	0.27	0.25	0.22	2.56	0.73	0.31
ORP (mV)	-72	-127	-308	-74	-129	-133	-357.9	-121	-137	-224	-118	-182	-112.2	-355	-132	-275	-282.2	-98
Temp. (C)	22.2	22.1	23.6	24.0	23.1	21.2	21.79	20.48	22.85	21.78	23.3	23.26	23.33	23.01	22.4	24.73	22.79	22.43
pH	6.95	6.8	6.99	6.66	6.83	7.1	7.44	7.05	6.9	6.94	7.02	6.94	7.15	7.17	6.86	6.75	7.2	6.96
Ferrous Iron (mg/L)	1.0	2.0	1.1	1.1	1.2	1.5	2.0	1.8	2.2	1.8	1.6	1.2	2.8	3.0	3.2	4.2	5.2	2.9
TOC (mg/L)	13	56	37	45	30	31	8.8		15		<2	30	10		8.9	15	7.9	
sulfide (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.85J	<1.0	<1	<1			<1	<1		
Alkalinity (mg/L)	1100	1100	1100	1100	1100	1100	920	1200	1200	1200		960	970			830	810	
chloride (mg/L)	220	230	230	250	260	220	200	220	200	180	490	380	450		300	260	230	
nitrate (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	
sulfate (mg/L)	4900	4400	4500	4400	4400	3600	2000	3900	3700	3800	2700	2400	3000		7200	6800	6600	
calcium (mg/L)	410	400	380	380	370	350	200		292								341	
total iron (mg/L)	1.3	2.2	0.79	1.3	2.5	1.4	1.4		2.27								6.82	
magnesium (mg/L)	310	320	320	310	310	280	170		277								439	
manganese (mg/L)	5.1	5.6	5.3	5.1	5	4.9	2.9		4.81								7.55	
potassium (mg/L)	15	16	16	16	16	14	10		18.8								24.2	
sodium (mg/L)	1400	1300	1500	1400	1400	1400	1000		1260								1818	
*ethene (ng/L)	360	490	<8000	<600	890J	1200	500J	6100	12000	7700	<1300	<200				<200		
ethane (ng/L)	43	48	<8000	<600	<200	<1100	<1100	<1100	<1100	<1100	<1200	<200				<200		
methane (ug/L)	24	38	34	25	27	1900	1400	1800	1600	3300	67	1800				6.4		
TDS (mg/L)	770			7800	7400	6600	4000			6700		5100				11000		
BOD (mg/L)	2.7																	
boron (mg/L)	0.59	0.65	0.57	0.65	0.69	0.72	0.93		0.98								3.3	
hydrogen (nM)	1.6	NM	<40					1.6										
CO_2 (mg/L)	120	180	16.8	180	240	210	210	190										
lactic acid (mg/L)	<25	<7.0	<0.1	0.36J	<0.5	<0.5	<0.5	<0.5										
acetic acid (mg/L)	<1.0	103	<0.1	1.11	14.4	<0.5	0.383J	0.575										
propionic acid (mg/L)	<1.0	<7.0	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5										
butyric acid (mg/L)	<1.0	<7.0	<0.1	<0.5	<0.5	<0.5	<0.5	0.32J										
pyruvic acid (mg/L)	<10	<7.0	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5										
i-pentanoic acid (mg/L)		<7.0	<0.1															
n-pentanoic acid (mg/L)		<7.0	<0.1															
i-hexanoic acid (mg/L)		<0.1	<0.1															
n-hexanoic acid (mg/L)		<0.1	<0.1															
n-heptanoic acid (mg/L)			<0.1															

TABLE A9-1 (Continued)

Location	MW-24				MW-25				MW-25B	MW-26				MW-27			
Date:	Jan-04	Nov-04	Aug-06	Mar-08	Jan-04	Jul-04	Aug-06	Mar-08	Mar-08	Jan-04	Nov-04	Aug-06	Mar-08	Jan-04	Jul-04	Aug-06	Mar-08
D.O. (mg/L)	0.42	1.56	0.3	0.39	0.21	1.13	0.49	0.31	0.88	0.25	1.74	0.36	0.44	0.51	1.05	0.3	0.74
ORP (mV)	-133	-165	-134.8	-199	-145	-91	-336.7	-372	-211	-70	-127	-354.6	-247	-134	-187	-117.8	-94
Temp. (C)	22.9	23.17	23.93	22.5	23.2	23	23.52	22.57	22.22	22.7	22.54	22.7	21.52	22.7	23.6	23.1	22.96
pH	6.9	6.71	7.1	6.79	7.22	6.69	7.7	7.04	7.02	7.25	6.93	7.9	7.14	6.88	6.75	7.04	6.91
Ferrous Iron (mg/L)	2.8	2.2	3.0		3.9	3.2	3.8	3.6	3.6		0.0	0.2	0.4	3.0	2.8	3.0	3.8
TOC (mg/L)	<2	17	6.4		<2		6.1	5.2	6.1					<2		6.7	5.3
sulfide (mg/L)	<1	<1			0.97			<1.0	<1.0					<1	<1		<1.0
Alkalinity (mg/L)		640	580			780	690	760	670						670	590	640
chloride (mg/L)	240	220	260		590	480	310	260	360					240	240	250	220
nitrate (mg/L)	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1
sulfate (mg/L)	2300	2200	1800		3000	2900	2300	1800	2700					2300	2200	2300	2000
calcium (mg/L)			434				345	300	320							528	510
total iron (mg/L)			4.07				4.46	3.6	3.8							4.64	3.5
magnesium (mg/L)			175				167	140	170							210	160
manganese (mg/L)			4.13				4.04	3.1	3.4							4.99	3.9
potassium (mg/L)			8.21				11.3	7.2	9.2							9	6.7
sodium (mg/L)			339				741	610	910							381	370
*ethene (ng/L)	<1300	<200			<1300			<1000	<1000					<1300			<1000
ethane (ng/L)	<1200	<200			<1200			<1100	<1100					<1200			<1100
methane (ug/L)	26	61			21			5500	330					31			1600
TDS (mg/L)		4200				5800		3700	4800						4200		3400
BOD (mg/L)																	
boron (mg/L)			0.611				0.632	0.64	0.46							0.432	0.37
hydrogen (nM)																	
CO_2 (mg/L)																	
lactic acid (mg/L)																	
acetic acid (mg/L)																	
propionic acid (mg/L)																	
butyric acid (mg/L)																	
pyruvic acid (mg/L)																	
i-pentanoic acid (mg/L)																	
n-pentanoic acid (mg/L)																	
i-hexanoic acid (mg/L)																	
n-hexanoic acid (mg/L)																	
n-heptanoic acid (mg/L)																	

TABLE A9-1 (Continued)

Location	MW-28				MW-29A	MW-29				MW-30			MW-31A	MW-31				
Date:	Jan-04	Nov-04	Aug-06	Mar-08	Mar-08	Jan-04	Nov-04	Aug-06	Mar-08	Jan-04	Jul-04	Aug-06	Mar-08	Mar-08	Jan-04	Jul-04	Aug-06	Mar-08
D.O. (mg/L)	0.23	1.79	0.2	0.75	0.29	0	1.89	0.45	0.27	0.1	1.13	0.48	0.3	0.6	0.15	1.12	0.45	1.1
ORP (mV)	-120	-161	-136.7	-76	-100	-158	-170	-291.1	-103	-96	-148	-290.2	-100	-54	-145	-121	-330.6	-93
Temp. (C)	22.3	22.68	23.51	22.54	23	22.2	23.65	22.96	22.77	22.3	24	22.56	22.62	23.98	22.8	24.8	23.85	22.5
pH	6.9	6.75	7.04	6.88	6.91	6.87	6.79	7.3	7	6.95	6.77	7.3	6.99	6.88	6.94	6.81	7.6	6.94
Ferrous Iron (mg/L)	2.3	2.1	1.8	3.8	1.0	3.1	4.0	5.1	3.0	0.9	1.9	2.9	0.8	1.0	2.0	2.1	4.1	4.0
TOC (mg/L)		15	6.7	6.7		<2	14	8.6	6.3			6.7	5.4	5.7	<2		6.1	5.4
sulfide (mg/L)		<1		<1.0		<1	<1		<1.0		<1		<1.0	<1.0	<1	<1		<1.0
Alkalinity (mg/L)		590	430	360			590	700	720		570	570	590	980		640	610	700
chloride (mg/L)		420	270	660		350	320	500	410		350	320	30	96	260	310	390	290
nitrate (mg/L)		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
sulfate (mg/L)		4500	2700	3800		4400	4400	3300	2500		3300	3500	3700	1200	1500	1700	3300	3200
calcium (mg/L)			516	730				478	420			686	710	320			666	620
total iron (mg/L)			2.57	2.5				11.2	4.1			2.57	2.2	0.82			5.43	3.7
magnesium (mg/L)			172	200				266	180			235	210	110			260	210
manganese (mg/L)			4.57	5.2				5.95	4.2			5.23	4.7	2.1			5.86	4.8
potassium (mg/L)			10.5	10				14.6	9.2			16.2	11	8.6			13.6	9.1
sodium (mg/L)			474	870				886	760			731	780	330			675	740
*ethene (ng/L)		<200		<1000		<1300	<200		<1000				<1000	<1000				<1000
ethane (ng/L)		<200		<1100		<1200	<200		<1100				600	<1100				<1100
methane (ug/L)		22		390		20	24		58				26	21				37
TDS (mg/L)		6200		6600			6200		4900		5800		6400	2600		3600		5600
BOD (mg/L)																		
boron (mg/L)			0.245	0.31				1.07	0.83			2.67	2.4	0.25			2.53	1.8
hydrogen (nM)																		
CO_2 (mg/L)																		
lactic acid (mg/L)																		
acetic acid (mg/L)																		
propionic acid (mg/L)																		
butyric acid (mg/L)																		
pyruvic acid (mg/L)																		
i-pentanoic acid (mg/L)																		
n-pentanoic acid (mg/L)																		
i-hexanoic acid (mg/L)																		
n-hexanoic acid (mg/L)																		
n-heptanoic acid (mg/L)																		

TABLE A9-1 (Continued)

Location	MW-31B	MW-32				MW-33A		MW-33B		MW-34	MW-35	MW-36	MW-37	MW-38	MW-39	MW-40	MW-41
Date:	Mar-08	Jan-04	Nov-04	Aug-06	Mar-08	Aug-06	Mar-08	Aug-06	Mar-08	Mar-08	Mar-08	Mar-08	Mar-08	Mar-08	Mar-08	Mar-08	Mar-08
D.O. (mg/L)	0.73	0.44	1.6	0.39	1.21	0.43	1.47	0.8	0.3	0.29	0.42	0.47	0.42	0.95	1.5	1.38	0.34
ORP (mV)	-107	-35	-115	-356.3	-188	-374	-66	-323.4	-101	-400	-305	-218	-300	-54	-117	-125	-290
Temp. (C)	22.7	22.5	22.73	22.98	21.9	24.03	20.59	23.45	22.32	23.34	22.34	23	22.21	23.53	22.51	22.01	22.83
pH	6.93	7.08	6.81	7.8	7.22	8.3	7.11	8.1	6.98	7.02	7.01	7.07	7.09	6.8	6.98	6.95	7
Ferrous Iron (mg/L)	3.6	0.0		0.3	0.3	0.0	0.0	1.9	3.6	1.2	2.6	1.5	2.0	0.4	2.0	3.8	3.2
TOC (mg/L)	6.2					6.5		5.6		4.3	10	5.4	41	3.4	6.3	14	18
sulfide (mg/L)	<1.0									<1	<1	<1	0.77	0.54	<1	<1	<1
Alkalinity (mg/L)	650					600		710		1000	640	570	640	880	590	590	590
chloride (mg/L)	240					94		130		54	220	270	460	67	500	290	590
nitrate (mg/L)	<0.1					0.35		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
sulfate (mg/L)	4200					2800		4600		920	3300	1700	3300	580	2100	3400	4400
calcium (mg/L)	690					378		291		210	580	360	570	220	560	640	780
total iron (mg/L)	4.3					5.76		4.51		0.79	3.3	2.1	1.8	0.39	2.1	3.5	4.2
magnesium (mg/L)	230					195		312		69	190	140	150	75	170	220	260
manganese (mg/L)	5.1					0.851		5.62		1.4	3.9	2.8	3.2	1.5	3.9	5	6
potassium (mg/L)	11					19.3		18.3		7.7	9.6	12	15	6.9	9.9	13	14
sodium (mg/L)	1000					657		1390		490	830	440	980	290	570	820	1000
*ethene (ng/L)	<1000					<1000				<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000
ethane (ng/L)	900					<1100				<1100	700	<1100	<1100	<1100	<1100	900	<1100
methane (ug/L)	24					11				43	33	980	26	33	47	34	14
TDS (mg/L)	7000									2400	5600	3500	5800	1800	4400	6000	7600
BOD (mg/L)																	
boron (mg/L)	3.6					0.552		0.76		0.26	3.4	0.47	0.68	0.25	1.8	3.3	0.81
hydrogen (nM)																	
CO_2 (mg/L)																	
lactic acid (mg/L)																	
acetic acid (mg/L)																	
propionic acid (mg/L)																	
butyric acid (mg/L)																	
pyruvic acid (mg/L)																	
i-pentanoic acid (mg/L)																	
n-pentanoic acid (mg/L)																	
i-hexanoic acid (mg/L)																	
n-hexanoic acid (mg/L)																	
n-heptanoic acid (mg/L)																	

TABLE A9-1 (Continued)

Location	EW-1										
Date:	May-03	Dec-03	Feb-04	Apr-04	Jul-04	Nov-04	Apr-05	Nov-05	Mar-06	Aug-06	Mar-08
D.O. (mg/L)	0	0.03	0	0	1.51	1.86	0	0.57	5.21	1.16	0.28
ORP (mV)	469	-159	-139	-149	-112	-175	-130	-277.8	20.7	-295	-110
Temp. (C)	21.6	21.2	21.8	21.9	22.9	22.7	21.6	22.77	22.41	23.11	22.16
pH	7.01	7.04	6.88	6.89	7.06	6.94	7.2	7.46	7.29	8.4	7.07
Ferrous Iron (mg/L)	1.3	2.0	2.0	2.1	1.9	2.0	2.2	0.0	0.0	0.0	2.8
TOC (mg/L)		4.5	14	27	31	26	26	8.1		9.7	
sulfide (mg/L)	0	0.66	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Alkalinity (mg/L)		970	1000	1000	1000	1000	960	790	760	910	
chloride (mg/L)	120	87	88	86	87	94	100	100	87	76	
nitrate (mg/L)	0	<0.10	<0.1	<0.1	<0.1	<0.1	<0.10	0.89A3	2.5	1.2	
sulfate (mg/L)	2800	1800	1700	1600	1700	1900	2400	3200	1900	1900	
calcium (mg/L)		270	270	290	310	330	360	364	299	283	
total iron (mg/L)		3	2.3	2.3	2.2	2.1	2.6	0.133	<0.1	<0.1	
magnesium (mg/L)		130	120	120	130	140	180	255	151	148	
manganese (mg/L)		2.4	2.1	2.2	2.3	2.4	3.3	1.94	0.361	0.067	
potassium (mg/L)		11	12	12	11	12	12	21.3	15.8	16.2	
sodium (mg/L)		730	610	630	610	620	870	1100	599	665	
*ethene (ng/L)	0	170	320	<10,000	<600	<200	<1100	<1000		<1000	
ethane (ng/L)	0	64	150	<10,000	<600	<200	<1000	<1100		<1100	
methane (ug/L)	10	14	29	20	18	21	22	5.1		5	
TDS (mg/L)		3800			3700	3700	4500	5100			
BOD (mg/L)		<2									
boron (mg/L)		0.66	0.71	0.6	0.61	0.7	0.65			0.74	
hydrogen (nM)		1.9	NM	<40							
CO_2 (mg/L)		97	110	14.5	33	130	160	94			
lactic acid (mg/L)		<25	<0.35	<0.1	<2.0	<0.5	<0.5	<0.5	NA		
acetic acid (mg/L)		<1.0	<0.35	<0.1	12.9	42.7	0.73	0.295J	NA		
propionic acid (mg/L)		<1.0	0.05	<0.1	<2.0	<0.5	<0.5	<0.5	NA		
butyric acid (mg/L)		<1.0	<0.07	<0.1	<2.0	<0.5	<0.5	<0.5	NA		
pyruvic acid (mg/L)		<10	<0.07	<0.1	<2.0	<0.5	<0.5	<0.5	NA		
i-pentanoic acid (mg/L)			<0.07	<0.1							
n-pentanoic acid (mg/L)			<0.07	0.1							
i-hexanoic acid (mg/L)			<0.1	<0.1							
n-hexanoic acid (mg/L)			<0.1	<0.1							
n-heptanoic acid (mg/L)				1.6							

TABLE A9-1 (Continued)

Location	EW-2										
Date:	**May-03**	**Dec-03**	**Feb-04**	**Apr-04**	**Jul-04**	**Nov-04**	**Apr-04**	**Nov-05**	**Mar-06**	**Aug-06**	**Mar-08**
D.O. (mg/L)	0	0	0.01	0	1.9	1.06	0.37	0.25	0.4	0.1	0.16
ORP (mV)	375	-181	-356	-382	-254	-405	-328	-404.1	-280.3	-275	-253
Temp. (C)	21.2	21.4	22.2	21.9	24.1	22.04	22.2	21.6	20.33	26.6	22.07
pH	7.08	7.13	6.93	6.88	7.13	6.75	7.1	7.47	7.23	7.15	7.15
Ferrous Iron (mg/L)	2.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOC (mg/L)		24	60	86 (96)	79(87)	61 (69)	76(82)	51		62	
sulfide (mg/L)	0	<1.0	7.4	14 (2.9)	14 (16)	18 (12)	4.9(7.5)	12	7.9	8.2	3.2
Alkalinity (mg/L)		1300	1500	1700(1800)	1900(1800)	1900(1900)	1900(1900)	1900	1800	1900	1900
chloride (mg/L)	230	220	220	250 (250)	250(260)	250 (260)	240(260)	270	230	210	170
nitrate (mg/L)	0	<0.1	<0.1	<0.1 (<0.1)	<0.1	<0.1 (<0.1)	<0.10(<0.10)	<0.10	<0.10	<0.10	<0.10
sulfate (mg/L)	2900	3000	2400	2700(2700)	2600 (2700)	2400(2400)	2100(2300)	1800	1400	1200	700
calcium (mg/L)		210	220	250 (240)	240 (250)	240(230)	230(230)	160		128	
total iron (mg/L)		2.7	0.36	0.097(0.093)	0.079(0.082)	0.15 (0.17)	0.19(0.19)	0.076		0.23	
magnesium (mg/L)		190	190	(250(240)	240(250)	230(230)	200(200)	170		121	
manganese (mg/L)		2.9	2.8	3.1 (3.1)	3.0(3.0)	2.8 (2.8)	2.9(2.8)	2.2		1.92	
potassium (mg/L)		11	13	15 (14)	1.4 (1.5)	1.5 (1.5)	13(13)	12		13	
sodium (mg/L)		1200	1100	1400(1400)	1300(1300)	1300(1300)	1300(1300)	1300		936	
*ethene (ng/L)	0	560	840	<8000	10,000	7800(7600)	18000(20000)	21000	88000	34000	28000
ethane (ng/L)	0	71	96	<8000	<600	<200(<200)	<1100(<1100)	<1100	<1100	<1100	<1100
methane (ug/L)	4	21	14	33	71	150DL(160DL)	9300(10000)	3300	9700	13000	20000
TDS (mg/L)		5500			6100(6100)	5800(5200)	5200(5100)	4500			3200
BOD (mg/L)		11									
boron (mg/L)		1.1	1.2	1.1 (1.1)	1.1 (1.2)	1.3(1.3)	1.3(1.3)	1.4		1.5	
hydrogen (nM)		2	NM	<25					1.9		
CO_2 (mg/L)		110	170	24.8	240	230(310)	350(320)	210	240		
lactic acid (mg/L)		<25	<7.0	<0.1	0.674	<0.5 (<0.5)	<0.5 (<0.5)	1.54	<0.5		
acetic acid (mg/L)		<1.0	68.8	<0.1	1.02	41.4(2.4J)	1.11(1.08)	1.24	1.09		
propionic acid (mg/L)		<1.0	<7.0	<0.1	<0.1	<0.5(<0.5)	<0.5(<0.5)	<0.5	<0.5		
butyric acid (mg/L)		<1.0	<7.0	0.2	0.195J	<0.5(<0.5)	<0.5(<0.5)	<0.5	0.51		
pyruvic acid (mg/L)		<10	<7.0	<0.1	<0.1	<0.5(<0.5)	<0.5(<0.5)	<0.5	<0.5		
i-pentanoic acid (mg/L)			<7.0	<0.1							
n-pentanoic acid (mg/L)			<7.0	0.1							
i-hexanoic acid (mg/L)			<0.1	<0.1							
n-hexanoic acid (mg/L)			<0.1	<0.1							
n-heptanoic acid (mg/L)				0.1							